



CHARLOTTE, NORTH CAROLINA

## 2018 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION  
ACCUMULALS RELATED TO ELECTRIC PLANT  
AS OF DECEMBER 31, 2018

*Prepared by:*



**Gannett Fleming**

*Excellence Delivered **As Promised***

DUKE ENERGY PROGRESS

Charlotte, North Carolina

2018 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION  
ACCRAUALS RELATED TO ELECTRIC PLANT  
AS OF DECEMBER 31, 2018

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC

Harrisburg, Pennsylvania



*Excellence Delivered **As Promised***

October 15, 2019

Duke Energy Progress  
550 S. Tryon Street  
Charlotte, NC 28202

Attention: David L. Doss, Jr.  
Director Asset Accounting

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the electric plant of Duke Energy Progress as of December 31, 2018. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation.

Respectfully submitted,

GANNETT FLEMING VALUATION  
AND RATE CONSULTANTS, LLC

A handwritten signature in black ink that reads "John J. Spanos".

JOHN J. SPANOS  
President

JJS:mle

065709

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## DUKE ENERGY PROGRESS

### DEPRECIATION STUDY

#### **EXECUTIVE SUMMARY**

Pursuant to Duke Energy Progress' ("DEP" or "Company") request, Gannett Fleming Valuation and Rate Consultants, LLC ("Gannett Fleming") conducted a depreciation study related to the electric plant as of December 31, 2018. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight line method using the average service life ("ASL") procedure and were applied on a remaining life basis. The calculations were based on attained ages and estimated average service life, and forecasted net salvage characteristics for each depreciable group of assets.

The depreciation study results in an overall increase in depreciation expense. This is primarily related to three factors which affect production plant accounts. There is a net increase in depreciation expense for transmission, distribution and general plant accounts, which is the result of changes in service lives or net salvage estimates for some accounts. The increase in depreciation expense for production plant accounts is the result of capital additions and replacements of components of many of the Company's power plants, shorter life span estimates for some of the Company's production plant facilities, and full consideration of all decommissioning study costs that provides an estimate of the future cost to retire the Company's production facilities. These changes produce the most appropriate depreciation rates for the Company's

production plant accounts, but result in a necessary increase in depreciation expense in order to ensure the recovery of the Company's investments.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to electric plant in service as of December 31, 2018 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$950.4 million when applied to depreciable plant balances as of December 31, 2018. The results are summarized at the functional level as follows:

**SUMMARY OF ORIGINAL COST, ACCRUAL RATES AND AMOUNTS**

FUNCTION	ORIGINAL COST AS OF DECEMBER 31, 2018	PROPOSED RATE	PROPOSED EXPENSE
Steam Production Plant	\$3,978,949,911.10	5.33	\$212,170,895
Nuclear Production Plant	8,840,958,165.58	3.31	292,257,258
Hydraulic Production Plant	140,864,658.94	3.70	5,213,027
Other Production Plant	3,126,769,436.62	5.08	158,732,404
Transmission Plant	2,555,572,839.38	2.23	57,110,744
Distribution Plant	6,869,268,718.39	2.44	167,607,654
General Plant	620,468,150.39	5.74	35,638,485
Land Rights	265,099,636.88	1.18	3,123,751
General Plant Reserve Amortization	-	-	<u>18,529,294</u>
<b>Total Depreciable Plant</b>	<b><u>\$26,397,951,517.28</u></b>		<b><u>\$950,383,512</u></b>

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## PART I. INTRODUCTION

## DUKE ENERGY PROGRESS DEPRECIATION STUDY

### PART I. INTRODUCTION

#### **SCOPE**

This report sets forth the results of the depreciation study for Duke Energy Progress ("Company"), as applied to specific electric plant in service as of December 31, 2018. The rates and amounts are based on the straight line remaining life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to current electric plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2018; the net salvage analyses of historical plant retirement data recorded through 2018; a review of Company practice and outlook as they relate to plant operation and retirement; and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

#### **PLAN OF REPORT**

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life study. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation. Part VI, Results of Study,

presents a summary by depreciable group of annual depreciation accrual rates and amounts, as well as composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

## BASIS OF THE STUDY

### Depreciation

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing electric utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For all accounts, the annual depreciation was calculated by the straight line method using the average service life procedure and the remaining life basis. The calculated remaining lives and annual depreciation accrual rates were based on

attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group. Amortization accounting or vintage pooling is proposed for most general plant accounts.

The straight line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America. Gannett Fleming recommends its continued use.

### **Service Life and Net Salvage Estimates**

The service life and net salvage estimates used in the depreciation calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility property. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts. For steam, hydraulic and other production plants, the life span technique was used. In this technique, the date of final retirement was estimated for each unit, and the estimated survivor curves applied to each vintage were truncated at ages coinciding with the date of final retirement.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

The estimates of net salvage by account incorporated a review of experienced costs of removal and salvage related to plant retirements, and consideration of trends exhibited by the historical data. Each component of net salvage, i.e., cost of removal and salvage, was stated in dollars and as a percent of retirement.

An understanding of the function of the plant and information with respect to the reasons for past retirements and the expected causes of future retirements was obtained through discussions with operating and management personnel. The supplemental information obtained in this manner was considered in the interpretation and extrapolation of the statistical analyses.

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**PART II. ESTIMATION OF  
SURVIVOR CURVES**

## PART II. ESTIMATION OF SURVIVOR CURVES

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

### SURVIVOR CURVES

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

### **Iowa Type Curves**

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.

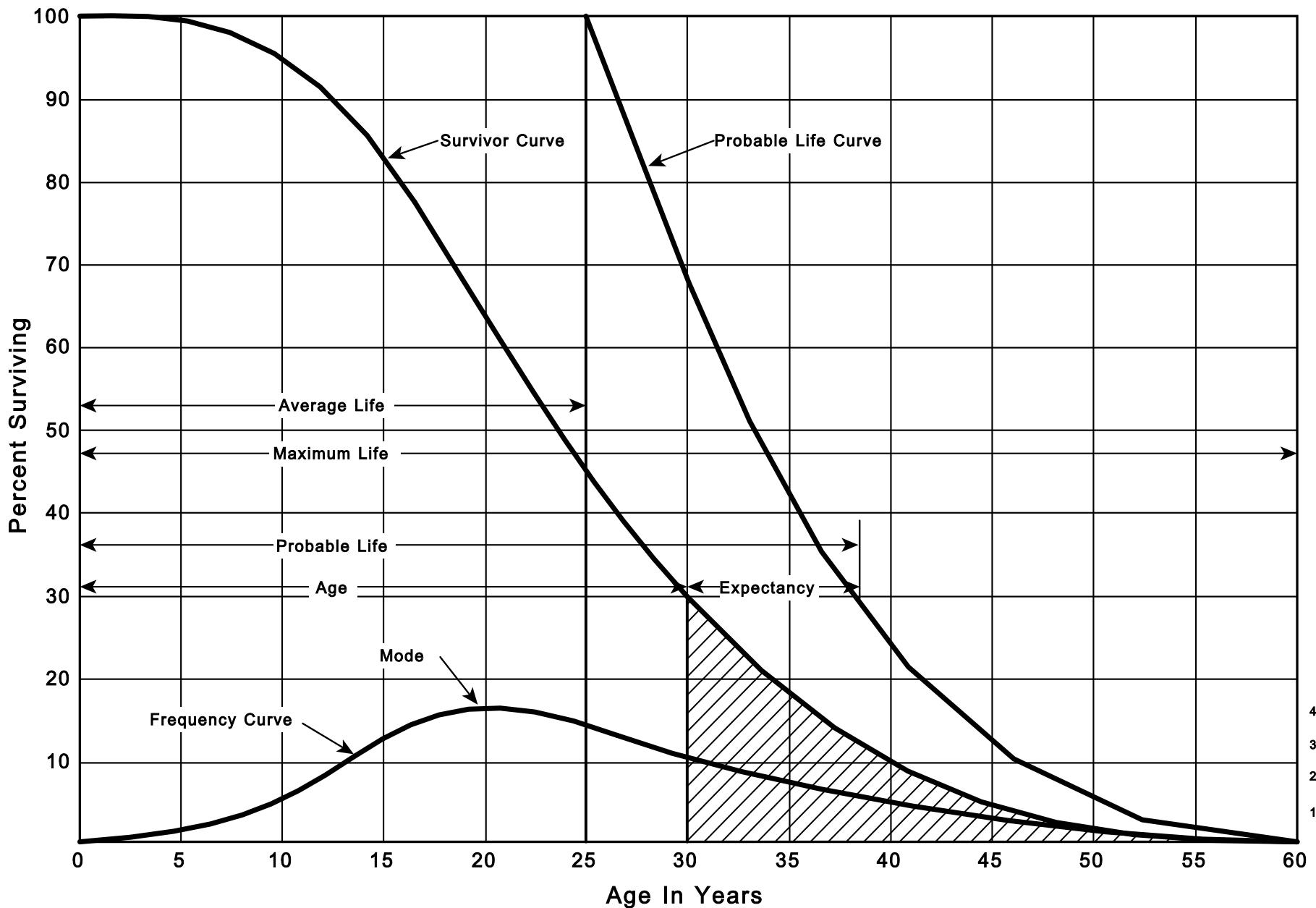


Figure 1. A Typical Survivor Curve and Derived Curves

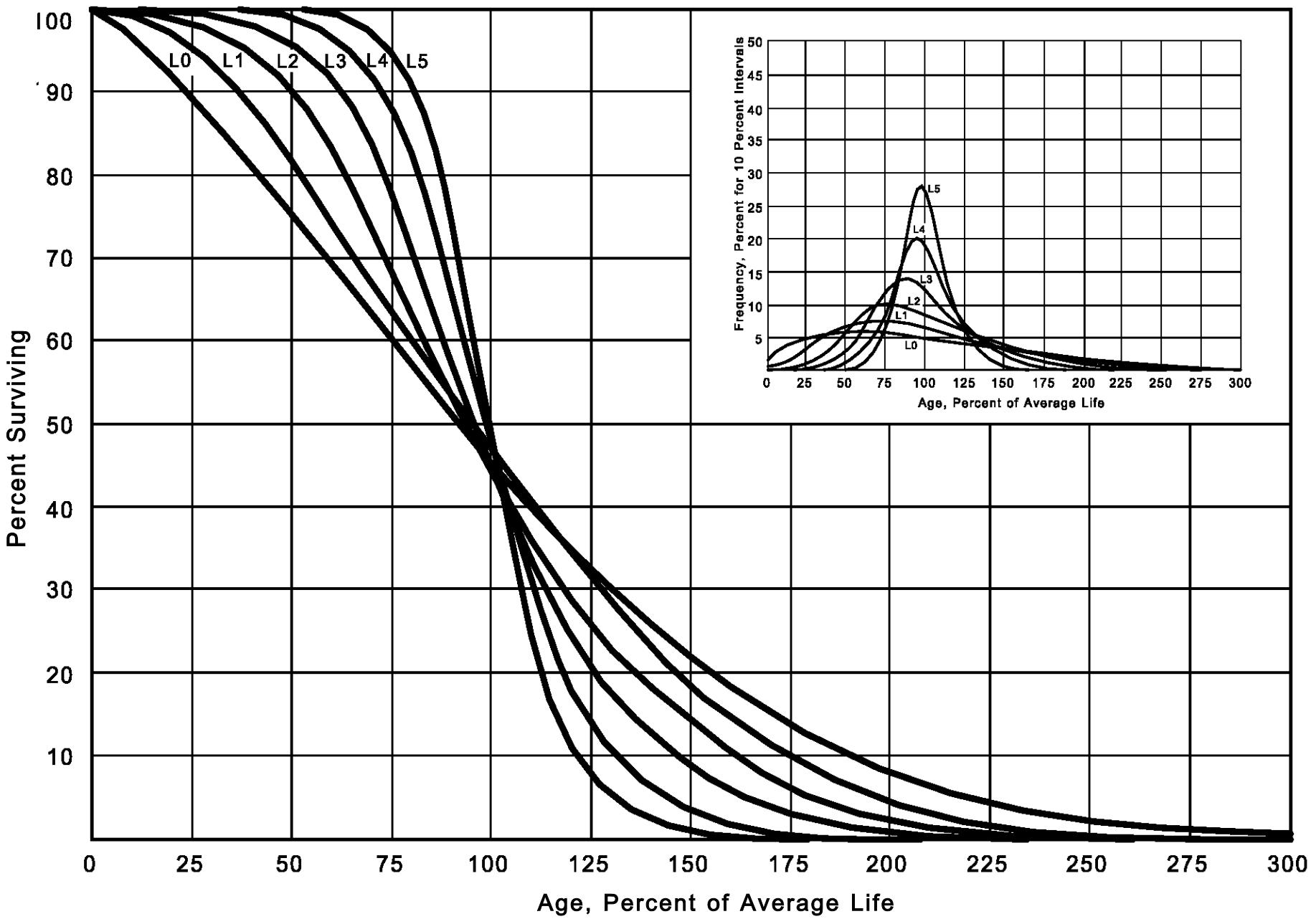


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

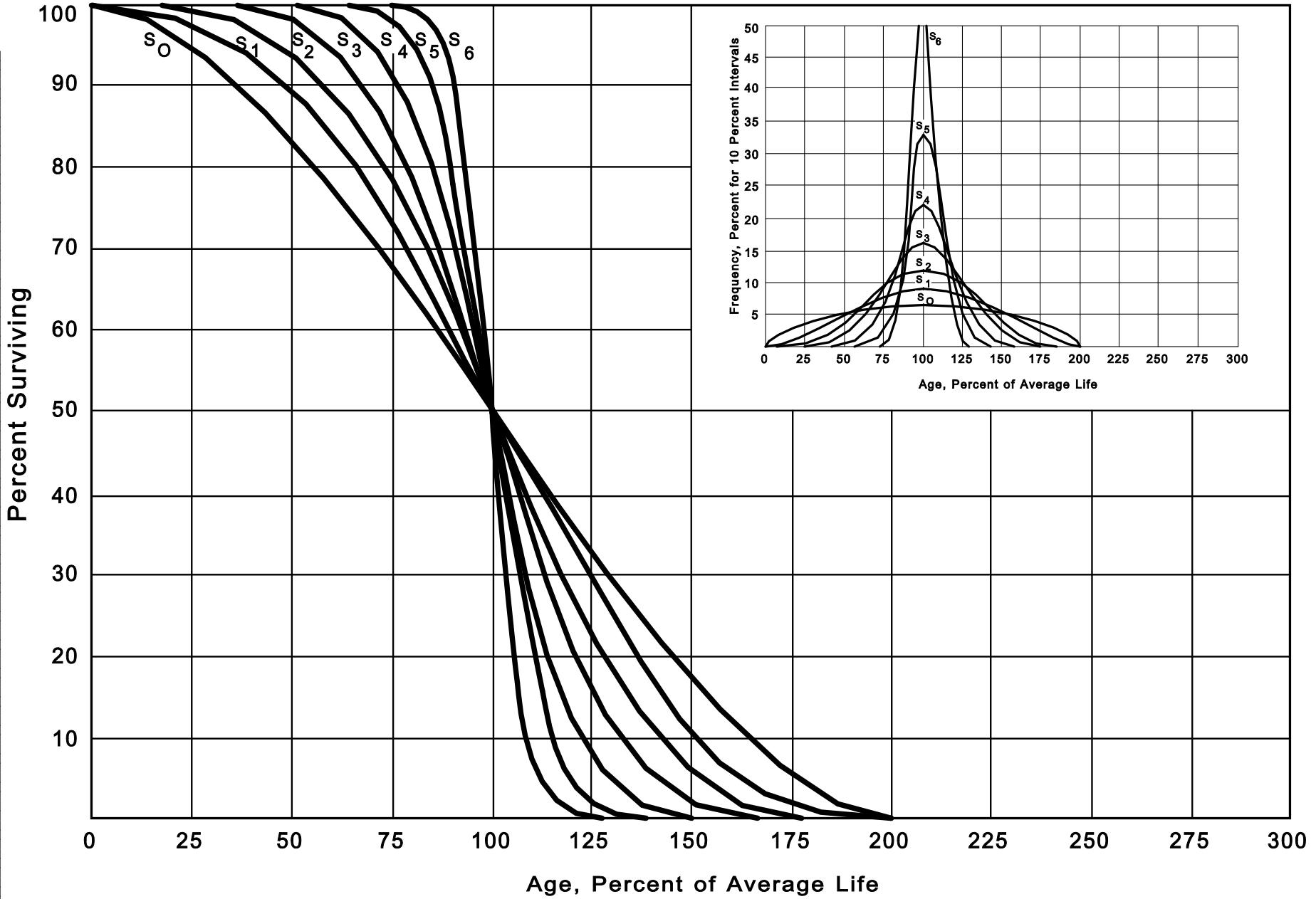


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

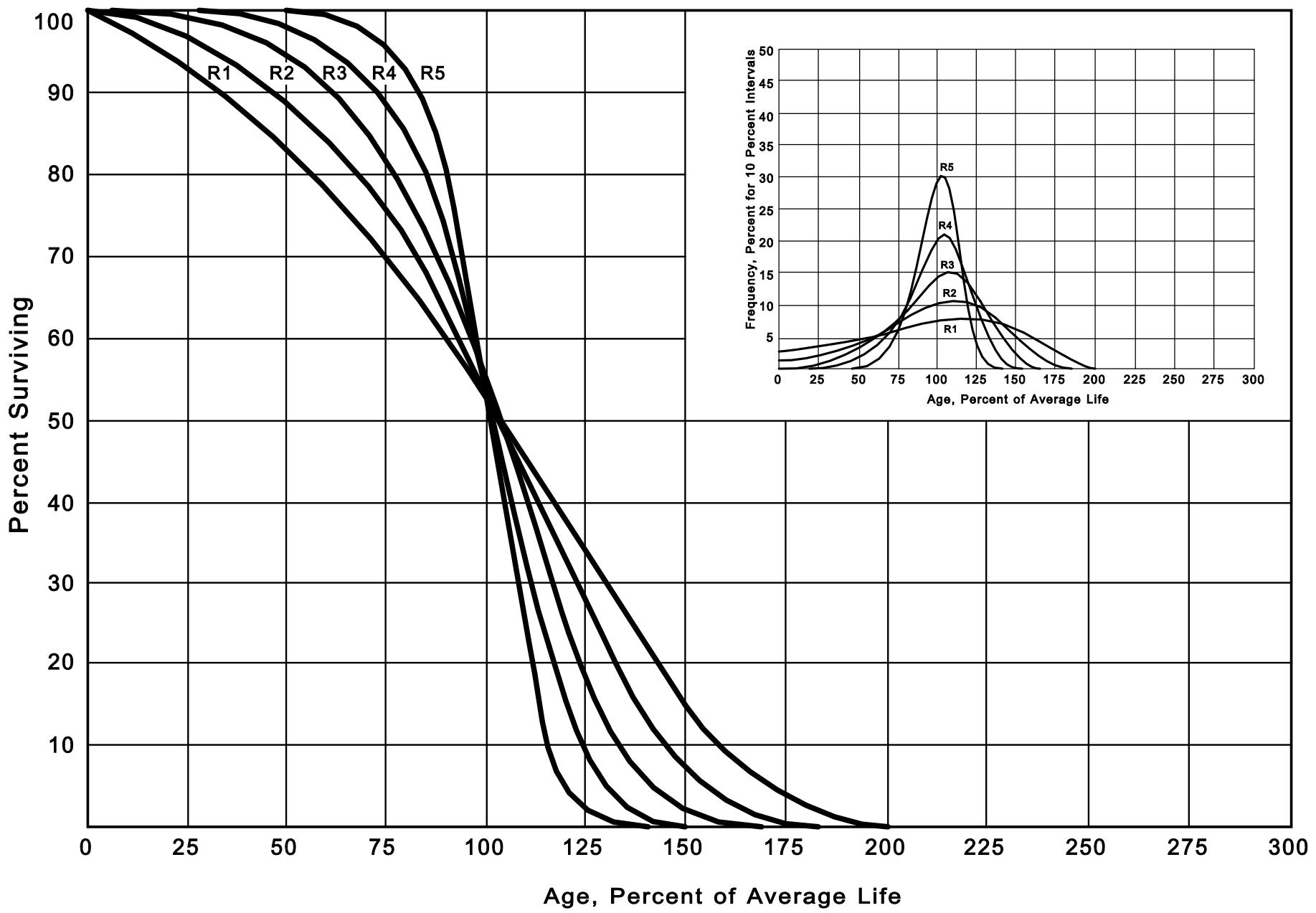


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

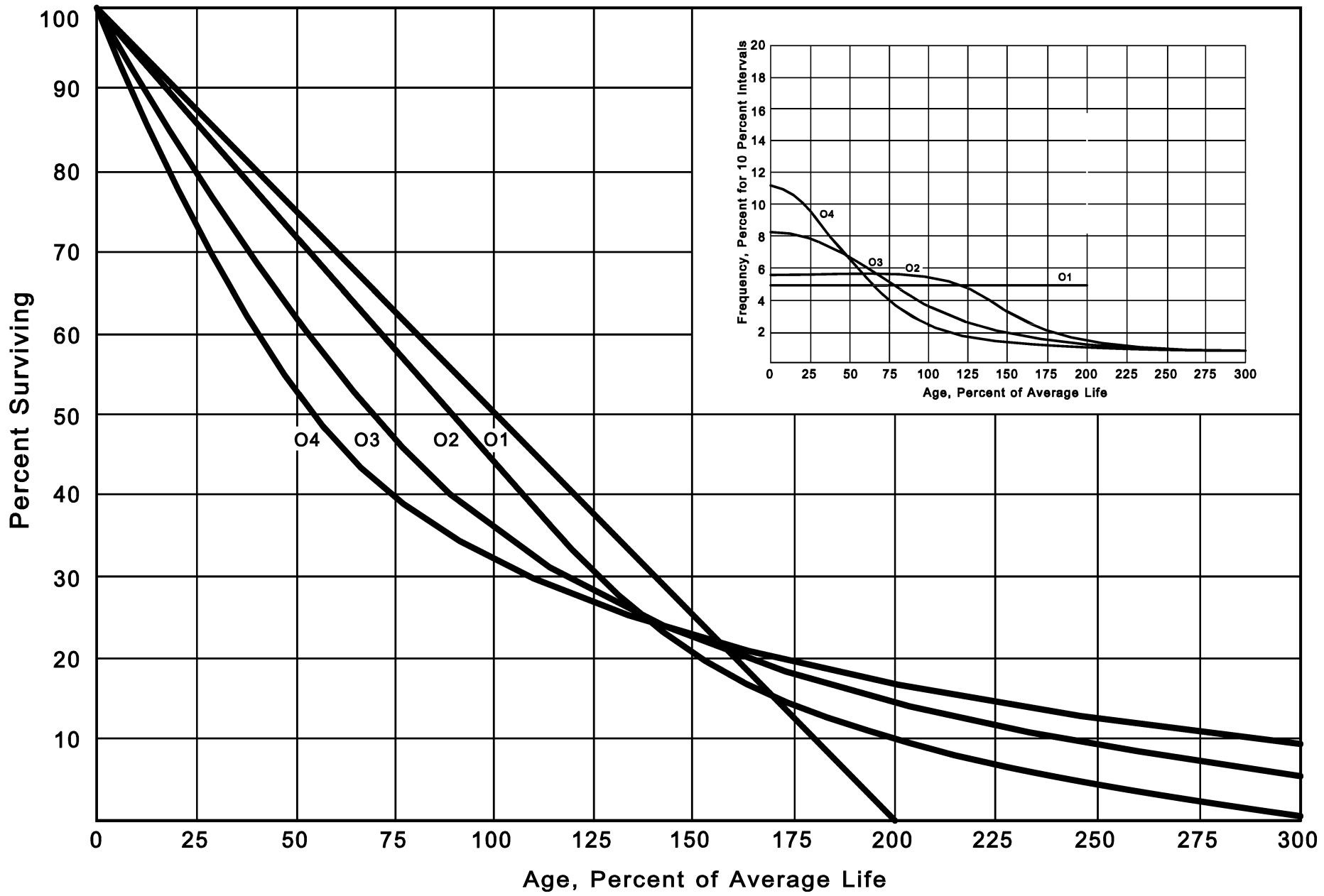


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>1</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

### **Retirement Rate Method of Analysis**

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements,"<sup>2</sup> "Engineering Valuation and Depreciation,"<sup>3</sup> and "Depreciation Systems."<sup>4</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes

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<sup>1</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

<sup>2</sup>Winfrey, Robley, Statistical Analyses of Industrial Property Retirements. Iowa State College Engineering Experiment Station, Bulletin 125. 1935..

<sup>3</sup>Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

<sup>4</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

schedules of annual aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

### **Schedules of Annual Transactions in Plant Records**

The property group used to illustrate the retirement rate method is observed for the experience band 2009-2018 during which there were placements during the years 2004-2018. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2004 were retired in 2009. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½-5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2009 retirements of 2004 installations and ending with the 2018 retirements of the 2013 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

**SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2009-2018  
SUMMARIZED BY AGE INTERVAL**

Experience Band 2009-2018

Placement Band 2004-2018

Placed (1)	Retirements, Thousands of Dollars						Age Interval (13)				
	2009 (2)	2010 (3)	2011 (4)	2012 (5)	2013 (6)	2014 (7)					
Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total During Age Interval (12)
2004	10	11	12	13	14	16	23	24	25	26	26
2005	11	12	13	15	16	18	20	21	22	19	44
2006	11	12	13	14	16	17	19	21	22	18	64
2007	8	9	10	11	11	13	14	15	16	17	83
2008	9	10	11	12	13	14	16	17	19	20	93
2009	4	9	10	11	12	13	14	15	16	20	105
2010	5	11	12	13	14	15	15	16	18	20	113
2011	6	12	13	15	16	17	17	19	19	19	124
2012	6	13	15	16	17	17	19	19	19	19	131
2013	7	14	14	16	17	17	19	19	20	20	143
2014	8	18	20	20	20	19	19	22	23	23	146
2015	9	9	20	20	20	20	20	22	22	25	150
2016											151
2017											153
2018											153
Total	<u>53</u>	<u>68</u>	<u>86</u>	<u>106</u>	<u>128</u>	<u>157</u>	<u>196</u>	<u>231</u>	<u>273</u>	<u>308</u>	<u>1,606</u>

**SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2009-2018  
SUMMARIZED BY AGE INTERVAL**

**Experience Band 2009-2018**

**Placement Band 2004-2018**

Year Placed (1)	Acquisitions, Transfers and Sales, Thousands of Dollars							Total During Age Interval (12)	Age Interval (13)
	2009 (2)	2010 (3)	2011 (4)	2012 (5)	2013 (6)	2014 (7)	2015 (8)		
2004	-	-	-	-	-	60 <sup>a</sup>	-	-	13½-14½
2005	-	-	-	-	-	-	-	-	12½-13½
2006	-	-	-	-	-	-	-	-	11½-12½
2007	-	-	-	-	-	-	(5) <sup>b</sup>	-	10½-11½
2008	-	-	-	-	-	-	6 <sup>a</sup>	-	9½-10½
2009	-	-	-	-	-	-	-	(5)	8½-9½
2010	-	-	-	-	-	-	-	6	7½-8½
2011	-	-	-	-	-	-	-	-	6½-7½
2012	-	-	-	-	-	(12) <sup>b</sup>	-	-	5½-6½
2013	-	-	-	-	-	-	22 <sup>a</sup>	-	4½-5½
2014	-	-	-	-	-	(19) <sup>b</sup>	-	-	3½-4½
2015	-	-	-	-	-	-	-	10	2½-3½
2016	-	-	-	-	-	-	-	-	1½-2½
2017	-	-	-	-	-	-	-	-	½-1½
2018	-	-	-	-	-	-	-	-	0-½
Total	-	-	-	-	-	60	(30)	22	(50)

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year

<sup>b</sup> Transfer Affecting Exposures at End of Year

<sup>c</sup> Sale with Continued Use  
Parentheses Denote Credit Amount.

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

### **Schedule of Plant Exposed to Retirement**

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2009 through 2018 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or additions are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2014 are calculated in the following manner:

Exposures at age 0	= amount of addition	= \$750,000
Exposures at age $\frac{1}{2}$	= \$750,000 - \$ 8,000	= \$742,000
Exposures at age $1\frac{1}{2}$	= \$742,000 - \$18,000	= \$724,000
Exposures at age $2\frac{1}{2}$	= \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age $3\frac{1}{2}$	= \$685,000 - \$22,000	= \$663,000

**SCHEDULE 3. PLANT EXPOSED TO RETIREMENT  
JANUARY 1 OF EACH YEAR 2009-2018  
SUMMARIZED BY AGE INTERVAL**

Experience Band 2009-2018

Placement Band 2004-2018

Year Placed	Exposures, Thousands of Dollars										Total at Beginning of Age Interval	Age Interval
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2004	255	245	234	222	209	195	239	216	192	167	167	13½-14½
2005	279	268	256	243	228	212	194	174	153	131	323	12½-13½
2006	307	296	284	271	257	241	224	205	184	162	531	11½-12½
2007	338	330	321	311	300	289	276	262	242	226	823	10½-11½
2008	376	367	357	346	334	321	307	297	280	261	1,097	9½-10½
2009	420 <sup>a</sup>	416	407	397	386	374	361	347	332	316	1,503	8½-9½
2010	460 <sup>a</sup>	455	444	432	419	405	390	374	356	1,952	7½-8½	
2011	510 <sup>a</sup>	504	492	479	464	448	431	412	393	2,463	6½-7½	
2012		580 <sup>a</sup>	574	561	546	530	501	482	3,057	5½-6½		
2013		660 <sup>a</sup>	653	639	623	628	609	3,789	4½-5½			
2014		750 <sup>a</sup>	742	724	685	663	4,332	3½-4½				
2015		850 <sup>a</sup>	841	821	799	4,955	2½-3½					
2016		960 <sup>a</sup>	949	926	5,719	1½-2½						
2017			1,080 <sup>a</sup>	1,069	6,579	½-1½						
2018			1,220 <sup>a</sup>	7,490	0-½							
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	44,780	

<sup>a</sup>Additions during the year

For the entire experience band 2009-2018, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

### Original Life Table

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15
Exposures at age 4½	=	3,789,000
Retirements from age 4½ to 5½	=	143,000
Retirement Ratio	=	$143,000 \div 3,789,000 = 0.0377$
Survivor Ratio	=	$1.000 - 0.0377 = 0.9623$
Percent surviving at age 5½	=	$(88.15) \times (0.9623) = 84.83$

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

**SCHEDULE 4. ORIGINAL LIFE TABLE  
CALCULATED BY THE RETIREMENT RATE METHOD**

Experience Band 2009-2018

Placement Band 2004-2018

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	<u>167</u>	<u>26</u>	0.1557	0.8443	42.24
					35.66
Total	<u>44,780</u>	<u>1,606</u>			

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

### **Smoothing the Original Survivor Curve**

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The Iowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the Iowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R Iowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 Iowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

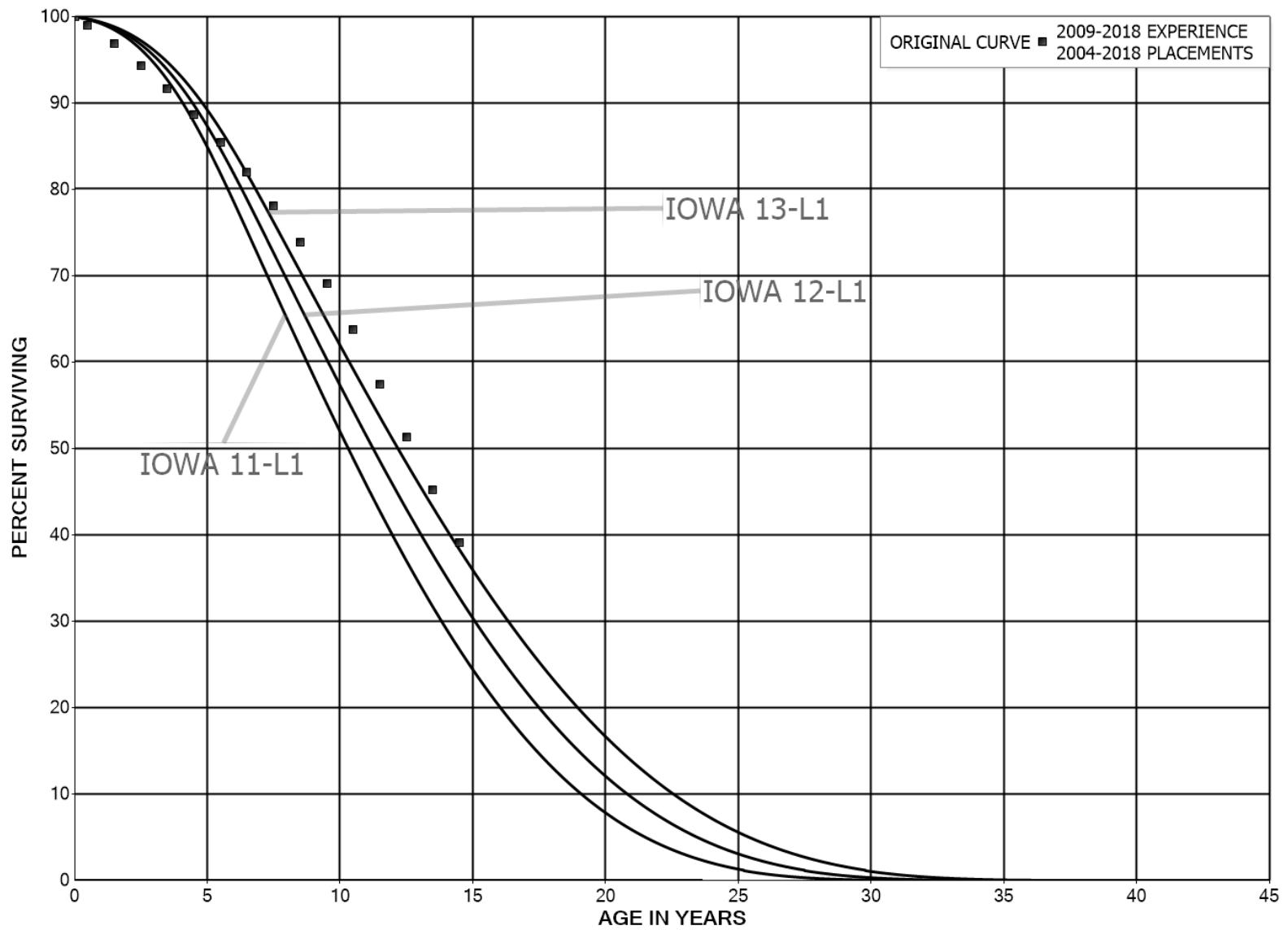


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

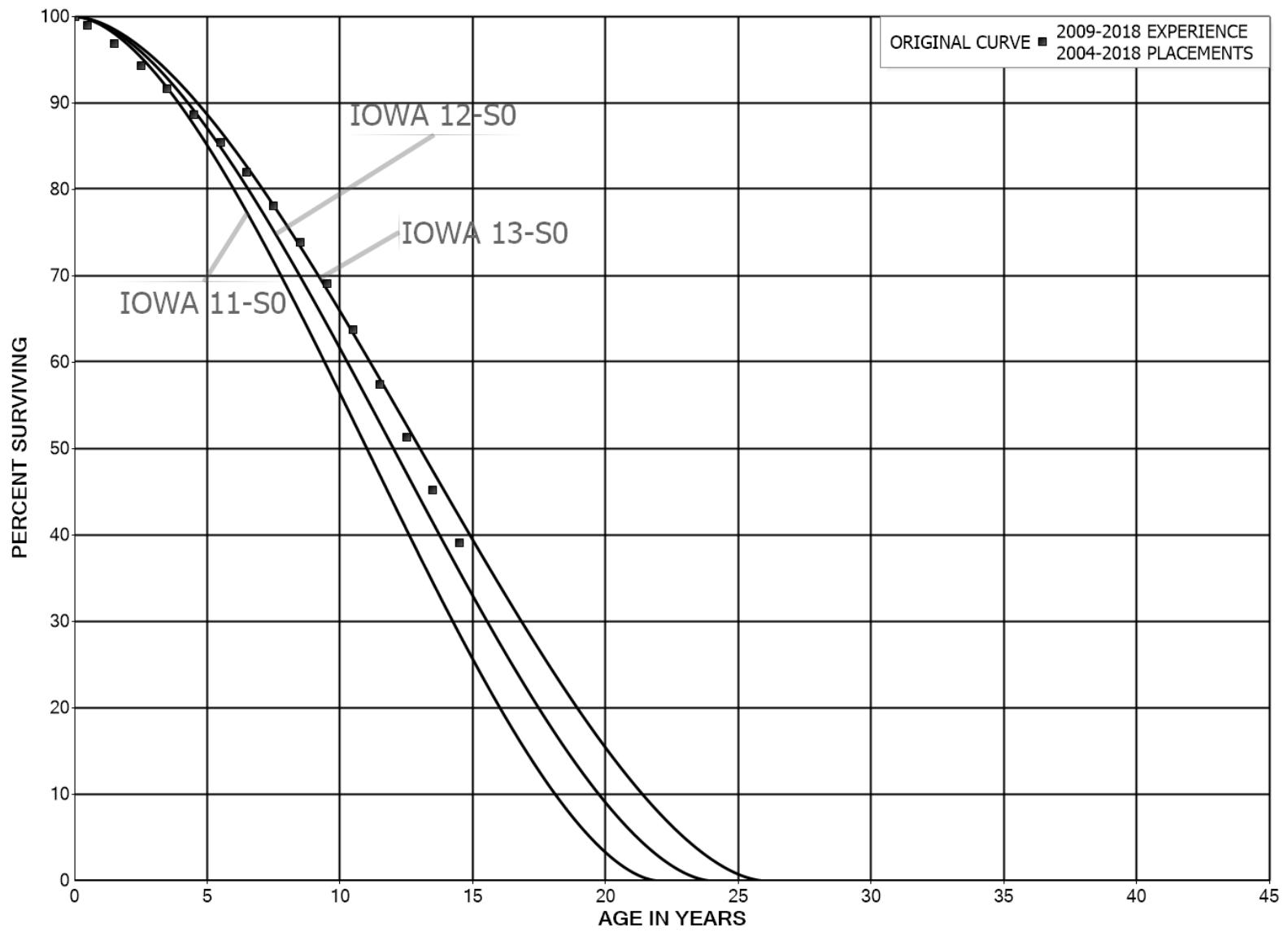


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

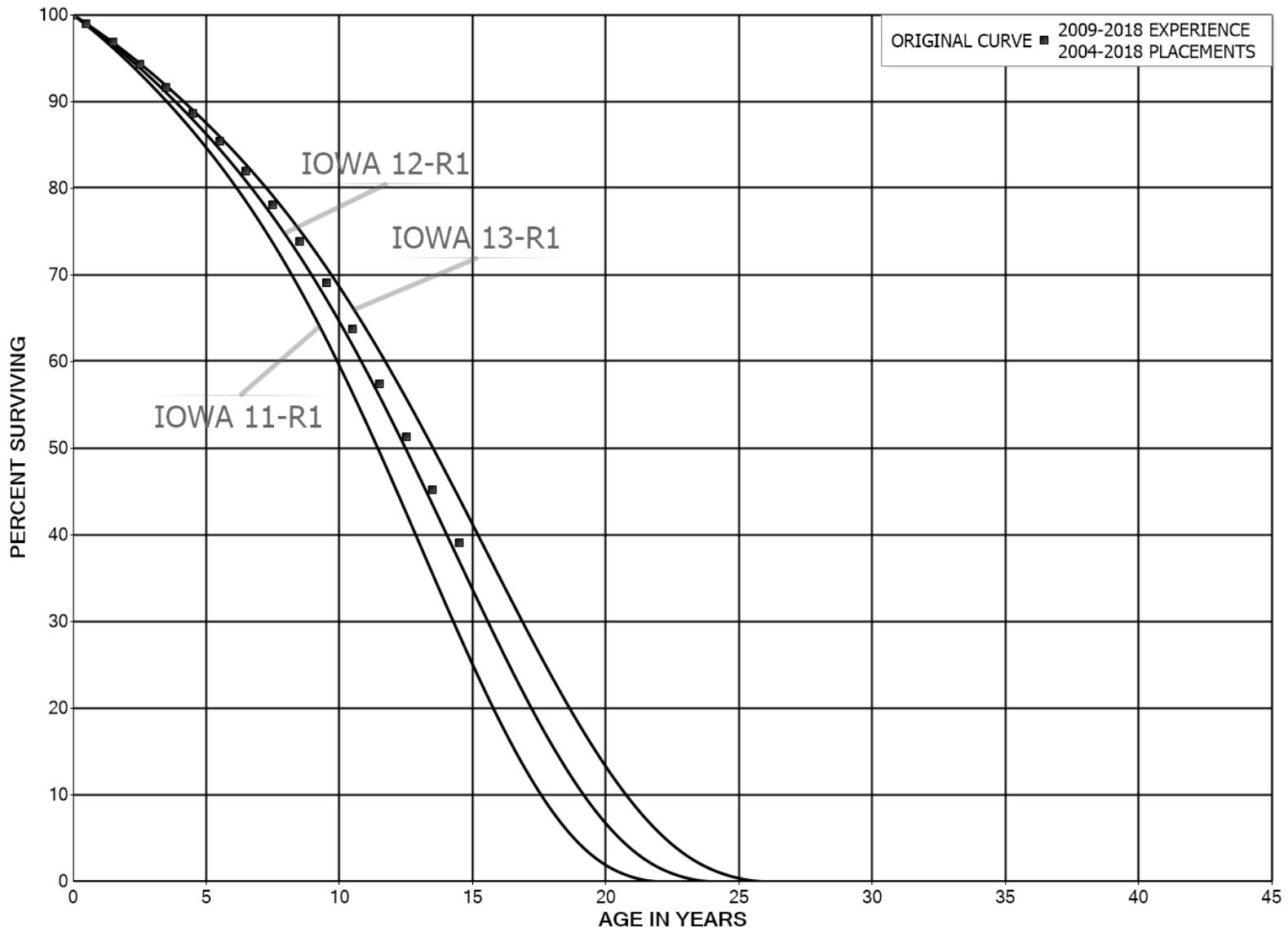
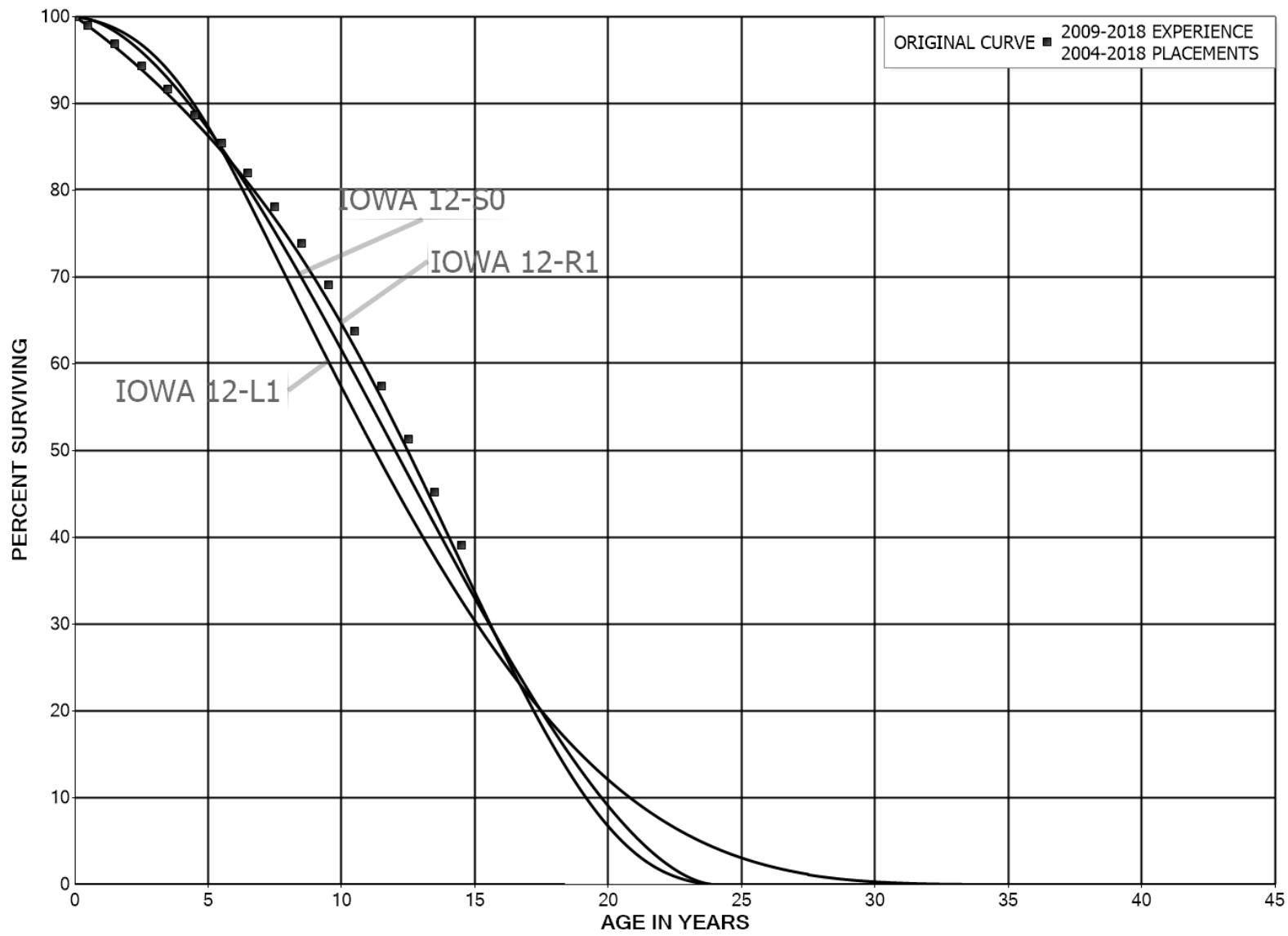


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES



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### PART III. SERVICE LIFE CONSIDERATIONS

## PART III. SERVICE LIFE CONSIDERATIONS

### FIELD TRIPS

In order to be familiar with the operation of the Company and observe representative portions of the plant, field trips have been conducted. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during the most recent field trips.

#### June 12-13, 2019

H.F. Lee Combined Cycle Turbines  
H.F. Lee / Wayne County Combustion Turbine Generators  
H.F. Lee 230 KV Substation  
H.F. Lee 115 KV Substation  
Goldsboro Hemlock Substation  
Goldsboro Weil Substation  
Sutton Generation Facility  
Sutton Blackstart Units  
Darlington Generation Facility

#### January 13, 2017

Asheville Generating Station

#### December 6-7, 2016

Blewett Generating Station  
Smith Energy Complex  
Roxboro Generating Station  
Mayo Generating Station

### SERVICE LIFE ANALYSIS

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during conversations with management; and the

survivor curve estimates from previous studies of this company and other electric utility companies.

For 35 plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method resulted in good to excellent indications of the survivor patterns experienced. These accounts represent 92 percent of depreciable plant. Generally, the information external to the statistics led to minimal or no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

#### STEAM PRODUCTION PLANT

311.00	Structures and Improvements
312.00	Boiler Plant Equipment
312.10	Boiler Plant Equipment – SCR Catalyst
314.00	Turbogenerator Units
315.00	Accessory Electric Equipment
316.00	Miscellaneous Power Plant Equipment

#### NUCLEAR PRODUCTION PLANT

321.00	Structures and Improvements
322.00	Reactor Plant Equipment
323.00	Turbogenerator Units
324.00	Accessory Electric Equipment
325.00	Miscellaneous Power Plant Equipment

#### HYDRAULIC PRODUCTION PLANT

331.00	Structures and Improvements
332.00	Reservoirs, Dams and Waterway
333.00	Water Wheels, Turbines and Generators

#### OTHER PRODUCTION PLANT

342.00	Fuel Holders, Producers and Accessories
343.00	Prime Movers
343.10	Prime Movers – Rotable Parts
345.00	Accessory Electric Equipment
346.00	Miscellaneous Power Plant Equipment

#### TRANSMISSION PLANT

353.00	Station Equipment
354.00	Towers and Fixtures

355.00 Poles and Fixtures

DISTRIBUTION PLANT

362.00	Station Equipment
364.00	Poles, Towers and Fixtures
365.00	Overhead Conductors and Devices
366.00	Underground Conduit
367.00	Underground Conductors and Devices
368.00	Line Transformers
369.00	Services
370.00	Metering Equipment
370.01	Meters
371.00	Installations on Customer Premises
373.00	Street Lighting and Signal Systems

GENERAL PLANT

390.00	Structures and Improvements
392.00	Transportation Equipment

Account 365.00, Overhead Conductors and Devices, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Aged plant accounting data for the overhead conductors have been compiled for the years 1954 through 2018. These data have been coded in the course of the Company's normal record keeping according to account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The retirements, other plant transactions, and plant additions were analyzed by the retirement rate method.

The survivor curve estimate is based on the statistical indications for the period 1954 through 2018 and 1979 through 2018. The Iowa 45-R1 is a reasonable fit of the original survivor curve. The 45-year average service life is within the typical average service life range of 40 to 55 years for overhead conductor. The 45-year average service life reflects the Company's plans to replace conductor consistently in the future as have been retired in the past. The previous estimate was a 44-R1.5 survivor curve.

For Account 364, Poles, Towers and Fixtures, the survivor curve estimate is the 45-R2.5. The statistical analysis for this account provides a good indication of service life through age 60. The 45-R2.5 estimate is within the industry range and is consistent with the outlook for this account. Based on these considerations, the 45-R2.5 survivor curve is the most reasonable estimate for this account.

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

### **Life Span Estimates**

Inasmuch as production plant consists of large generating units, the life span technique was employed in conjunction with the use of interim survivor curves which reflect interim retirements that occur prior to the ultimate retirement of the major unit. An interim survivor curve was estimated for each plant account, inasmuch as the rate of interim retirements differs from account to account. The interim survivor curves estimated for steam, nuclear, hydraulic and other production plant were based on the retirement rate method of life analysis which incorporated experienced aged retirements for the period 1923 through 2018 for steam; 1971 through 2018 for nuclear; 1912 through 2018 for hydraulic; and 1968 through 2018 for other production.

The depreciable life span estimates for power generating stations were the result of considering experienced life spans of similar generating units, the age of surviving units, general operating characteristics of the units, major refurbishments, discussions with management personnel concerning the probable long-term outlook for the units, and the estimate of the operating partner, if applicable.

The depreciable life span estimate for most steam, base-load units is 48 to 63 years, which is within the typical range of life spans for such units. With the exception

of the Asheville units, these life spans represent the expected depreciable life of each facility under their current configuration. The Company plans to retire the Asheville steam units in 2019. The Company's proposal is to recover the costs of this facility over the remaining 9-year period, which is consistent with the prior study. For the other facilities, future capital expenditures can extend a facility's depreciable life, however, such changes to depreciable life would not be prudent until the capital expenditures are actually put into plant in service. The life span for nuclear units is approximately 60 years, and is consistent with the license dates for each unit. The depreciable life span for hydraulic units is 104 to 143 years which corresponds to the license or relicense dates. A life span of 40-53 years was estimated for the combustion turbines. These life span estimates are typical for combustion turbines which are used primarily as peaking units. The combined cycle units are relatively new units with a commonly used 40-year life span estimate. All solar facilities have recently been constructed and will have a 25-year life span.

A summary of the major year in service, depreciable life span and depreciable life date for each power production unit follows:

<u>Depreciable Group</u>	<u>Major Year in Service</u>	<u>Depreciable Life Date</u>	<u>Depreciable Life Span</u>
<b>Steam Production Plant</b>			
Asheville Unit 1	1964	2027	63
Asheville Unit 2	1971	2027	56
Mayo Unit 1	1983	2029	48
Roxboro Unit 1	1966	2028	62
Roxboro Unit 2	1968	2028	60
Roxboro Unit 3	1973	2029	56
Roxboro Unit 4	1980	2029	49
<b>Nuclear Production Plant</b>			
Brunswick Unit 1	1977	2036	59
Brunswick Unit 2	1975	2034	59
Harris Unit 1	1987	2046	59

<u>Depreciable Group</u>	<u>Major Year in Service</u>	<u>Depreciable Life Date</u>	<u>Depreciable Life Span</u>
Robinson Unit 1	1971	2030	59
Hydraulic Production Plant			
Blewett	1912	2055	143
Marshall	1910	2035	125
Tillery	1928	2055	127
Walters	1930	2034	104
Other Production Plant			
Asheville	1999	2039	40
Blewett	1971	2024	53
Darlington Units 1-11	1974	2020	46
Darlington Units 12 and 13	1997	2037	40
H.F. Lee (Wayne County) Units 10-13	2000	2040	40
H.F. Lee (Wayne County) Unit 14	2009	2049	40
Sutton CC	2013	2053	40
Sutton Blackstart	2017	2057	40
Weatherspoon	1970	2024	54
Smith CC (Richmond County) Block 4	2002	2042	40
Smith CC (Richmond County) Block 5	2011	2051	40
Smith CTs	2001	2041	40
H.F. Lee CC (Wayne County)	2012	2052	40
Camp Lejune Solar	2015	2040	25
Fayetteville Solar	2015	2040	25
Elm City Solar	2016	2041	25
Warsaw Solar	2015	2040	25

The selected amortization periods for other General Plant accounts are described in the section "Calculated Annual and Accrued Amortization."

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## PART IV. NET SALVAGE CONSIDERATIONS

## PART IV. NET SALVAGE CONSIDERATIONS

### SALVAGE ANALYSIS

The estimates of net salvage by account were based in part on historical data compiled through 2018. Cost of removal and salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

#### Net Salvage Considerations

The estimates of future net salvage are expressed as percentages of surviving plant in service, i.e., all future retirements. In cases in which removal costs are expected to exceed salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and salvage data, expectations with respect to future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and salvage data are presented in the section titled "Net Salvage Statistics" for the plant accounts for which the net salvage estimate relied partially on those analyses.

Statistical analyses of historical data for the periods 1979 through 2018 for all plant accounts were analyzed. The analyses contributed significantly toward the net salvage estimates for 37 plant accounts, representing 87 percent of the depreciable plant, as follows:

#### STEAM PRODUCTION PLANT

311.00	Structures and Improvements
312.00	Boiler Plant Equipment
312.10	Boiler Plant Equipment – SCR Catalyst
314.00	Turbogenerator Units

315.00 Accessory Electric Equipment  
316.00 Miscellaneous Power Plant Equipment

#### NUCLEAR PRODUCTION PLANT

321.00 Structures and Improvements  
322.00 Reactor Plant Equipment  
323.00 Turbogenerator Units  
324.00 Accessory Electric Equipment  
325.00 Miscellaneous Power Plant Equipment

#### HYDRAULIC PRODUCTION PLANT

332.00 Reservoirs, Dams and Waterway  
334.00 Accessory Electric Equipment  
335.00 Miscellaneous Power Plant Equipment

#### OTHER PRODUCTION PLANT

341.00 Structures and Improvements  
342.00 Fuel Holders, Producers and Accessories  
344.00 Generators  
345.00 Accessory Electric Equipment  
346.00 Miscellaneous Power Plant Equipment

#### TRANSMISSION PLANT

352.00 Structures and Improvements  
353.00 Station Equipment  
355.00 Poles and Fixtures

#### DISTRIBUTION PLANT

361.00 Structures and Improvements  
362.00 Station Equipment  
364.00 Poles, Towers and Fixtures  
365.00 Overhead Conductors and Devices  
366.00 Underground Conduit  
367.00 Underground Conductors and Devices  
368.00 Line Transformers  
369.00 Services  
370.00 Metering Equipment  
370.01 Meters  
371.00 Installations on Customer Premises  
373.00 Street Lighting and Signal Systems

#### GENERAL PLANT

390.00 Structures and Improvements  
392.00 Transportation Equipment  
396.00 Power Operated Equipment

Account 368.00, Line Transformers, is used to illustrate the manner in which the study was conducted for the groups in the preceding list. Net salvage data for the period 1979 through 2018 were analyzed for this account. The data include cost of removal, gross salvage and net salvage amounts and each of these amounts is expressed as a percent of the original cost of regular retirements. Three-year moving averages for the 1979-1981 through 2016-2018 periods were computed to smooth the annual amounts.

Cost of removal was relatively consistent during the 1980s and 1990s, then fluctuated over the last 20 years. The primary cause of the high levels of cost of removal in recent years was the required effort needed to replace transformers due to various forces of retirement. Cost of removal for the most recent five years averaged 13 percent.

Gross salvage has varied throughout the period with high levels in 2011 and 2013 due to current practices of reuse. The most recent five-year average of 5 percent gross salvage reflects recent trends.

The net salvage percent based on the overall period 1979 through 2018 is 0 percent net salvage and based on the most recent five-year period is negative 7 percent. The typical range of estimates made by other electric companies for Line Transformers is positive 5 to negative 15 percent. The net salvage estimate for line transformers is negative 5 percent, is within the range of other estimates and reflects the levels of net salvage experienced over the last ten years.

The net salvage estimate for Account 353, Station Equipment, is negative 15 percent. Net salvage data for the period 1979 through 2018 were analyzed for this account. Cost of removal has been high in most years for the period studied. There has been some gross salvage, but it has been less than cost of removal and has only

averaged 2 percent since 2000 with the exception to 2006. For the period 1979 through 2018, net salvage has averaged negative 9 percent. More recent years have experienced higher levels of retirements and have also experienced increased costs of removal. The most recent five year average is negative 17 percent.

Estimates of negative 20 percent or less are common in the industry for this account, although there has been a trend to more negative net salvage in this account in recent years and some utilities do have estimates that are even more negative. While the trend for this account does support a slightly more negative net salvage estimate than negative 15 percent, the negative 15 percent estimate reflects the expectations of the Company for this account as well as the experience of others in the industry.

The overall net salvage estimates for the Company's production facilities, for which the life span method is used, is based on estimates of both final net salvage and interim net salvage. Final net salvage is the net salvage experienced at the end of a production plant's life span. Interim net salvage is the net salvage experienced for interim retirements that occur prior to the final retirement of the plant. The final net salvage estimates in the study were based on a decommissioning study performed by Burns & McDonnell. These studies excluded ash pond closure activities. The interim net salvage estimates were based in part on an analysis of historical interim retirement and net salvage data. Based on informed judgment that incorporated these interim net salvage analyses for each plant account, an interim net salvage estimate of negative 15 percent was used for steam plant accounts; negative 7 percent for nuclear plant accounts; negative 18 percent for hydraulic plant accounts; and a negative 4 percent estimate was used for other production plant account and 0 percent for solar assets. The one exception is for Account 343.10, Prime Movers – Rotable Parts units for the combined cycle units. This account includes the hot gas path components of the

combustion turbines for these plants. An interim net salvage estimate of 40 percent is recommended, consistent with the historical data and outlook for these assets.

The interim survivor curve estimates for each account and production facility were used to calculate the percentage of plant expected to be retired as interim retirements and final retirements. These are shown on Table 1 in the Net Salvage Statistics section on page VIII-2. These percentages were used to determine the weighted net salvage estimate for each account and production facility based on the interim and final net salvage estimates. These calculations, as well as the estimated final net salvage and interim net salvage percents, are shown on Table 2 of the Net Salvage Statistics section on page VIII-3. Table 3 sets forth the calculation for establishing the terminal net salvage percent for each location which is utilized in Table 2.

The net salvage percents for the remaining accounts were based on judgment incorporating factors such as the statistical net salvage analysis, general knowledge of the property studied, and estimates of previous studies of this and other electric utilities.

Generally, the net salvage estimates for remaining general plant accounts were zero percent, consistent with amortization accounting.

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**PART V. CALCULATION OF ANNUAL AND  
ACCRUED DEPRECIATION**

## PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

### GROUP DEPRECIATION PROCEDURES

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

### Single Unit of Property

The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10}\right) = \$400.$$

### **Remaining Life Annual Accruals**

For the purpose of calculating remaining life accruals as of December 31, 2018, the depreciation reserve for each plant account is allocated among vintages in proportion to the calculated accrued depreciation for the account. Explanations of remaining life accruals and calculated accrued depreciation follow. The detailed calculations as of December 31, 2018, are set forth in the Results of Study section of the report.

### **Average Service Life Procedure**

In the average service life procedure, the remaining life annual accrual for each vintage is determined by dividing future book accruals (original cost less book reserve) by the average remaining life of the vintage. The average remaining life is a directly weighted average derived from the estimated future survivor curve in accordance with the average service life procedure.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Life}}{\text{Average Service Life}}.$$

## CALCULATION OF ANNUAL AND ACCRUED AMORTIZATION

Amortization, as defined in the Uniform System of Accounts, is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period.

The calculation of annual and accrued amortization requires the selection of an amortization period. The amortization periods used in this report were based on judgment which incorporated a consideration of the period during which the assets will render most of their service, the amortization periods and service lives used by other utilities, and the service life estimates previously used for the asset under depreciation accounting.

Amortization accounting is appropriate for certain General Plant accounts that represent numerous units of property, but a very small portion of total depreciable electric plant in service. The accounts and their amortization periods are as follows:

	<u>Account</u>	<u>Amortization Period, Years</u>
391,	Office Furniture and Equipment	
	Furniture and Equipment	15
	EDP	8
393,	Stores Equipment	20
394,	Tools, Shop and Garage Equipment	20
395,	Laboratory Equipment	15
397,	Communication Equipment	10
398,	Miscellaneous Equipment	20

For the purpose of calculating annual amortization amounts as of December 31, 2018, the book depreciation reserve for each plant account or subaccount is assigned or allocated to vintages. The book reserve assigned to vintages with an age greater

than the amortization period is equal to the vintage's original cost. The remaining book reserve is allocated among vintages with an age less than the amortization period in proportion to the calculated accrued amortization. The calculated accrued amortization is equal to the original cost multiplied by the ratio of the vintage's age to its amortization period. The annual amortization amount is determined by dividing the future amortizations (original cost less allocated book reserve) by the remaining period of amortization for the vintage.

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## PART VI. RESULTS OF STUDY

## PART VI. RESULTS OF STUDY

### QUALIFICATION OF RESULTS

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line remaining life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the electric plant in service as of December 31, 2018. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2018, is reasonable for a period of three to five years.

### DESCRIPTION OF STATISTICAL SUPPORT

The service life and salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other electric utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form. The charts depict the estimated smooth survivor curve and original survivor curve(s),

when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

### **DESCRIPTION OF DEPRECIATION TABULATIONS**

A summary of the results of the study, as applied to the original cost of electric plant as of December 31, 2018, is presented on pages VI-4 through VI-11 of this report. The schedule sets forth the original cost, the book reserve, future accruals, the calculated annual depreciation rate and amount, and the composite remaining life related to electric plant.

The tables of the calculated annual depreciation accruals are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the calculated accrued depreciation, the allocated book reserve, future accruals, the remaining life and the calculated annual accrual amount.

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	ORIGINAL COST			BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8)	COMPOSITE REMAINING LIFE (9)=(8)/(5)
		SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	AS OF DECEMBER 31, 2018 (5)				
<b>STEAM PRODUCTION PLANT</b>								
311.00	STRUCTURES AND IMPROVEMENTS							
	ASHEVILLE UNIT 1	12-2027	100-R2.5 *	(4)	42,616,358.21	39,177,778	5,143,234	57,360.9
	ASHEVILLE UNIT 2	12-2027	100-R2.5 *	(4)	42,579,071.25	31,072,574	14,137,208	34.6
	MAYO UNIT 1	06-2029	100-R2.5 *	(4)	170,339,859.39	126,157,383	50,922,061	4,879,145
	ROXBORO UNIT 1	06-2028	100-R2.5 *	(5)	17,139,404.05	14,157,970	3,868,930	4,845,345
	ROXBORO UNIT 2	06-2028	100-R2.5 *	(5)	5,512,432.01	3,988,468	1,859,586	2.39
	ROXBORO UNIT 3	06-2029	100-R2.5 *	(5)	37,467,402.39	35,337,975	3,897,788	9.5
	ROXBORO UNIT 4	06-2029	100-R2.5 *	(5)	19,330,071.49	9,556,015	10,921,010	10.0
	ROXBORO COMMON	06-2029	100-R2.5 *	(5)	193,900,592.95	49,804,500	153,795,623	7.59
	TOTAL STRUCTURES AND IMPROVEMENTS				526,984,691.74	309,261,673	245,617,902	23,671,037
	BOILER PLANT EQUIPMENT							
	ASHEVILLE UNIT 1	12-2027	60-R1 *	(4)	149,865,191.36	93,305,565	62,316,384	7,121,696
	ASHEVILLE UNIT 2	12-2027	60-R1 *	(4)	145,625,344.87	110,436,602	41,013,757	4,682,818
	MAYO UNIT 1	06-2029	60-R1 *	(4)	832,479,002.87	354,948,282	50,461,597	6,011
	ROXBORO UNIT 1	06-2028	60-R1 *	(5)	212,802,505.83	87,482,059	13,065,572	14,793,592
	ROXBORO UNIT 2	06-2028	60-R1 *	(5)	168,229,667	150,752,084	5,50	9.2
	ROXBORO UNIT 3	06-2029	60-R1 *	(5)	333,930,852.31	231,685,621	22,920,294	6.87
	ROXBORO UNIT 4	06-2029	60-R1 *	(5)	404,141,708.49	275,750,947	45,572,511	10.1
	ROXBORO COMMON	06-2029	60-R1 *	(5)	320,174,907.77	168,313,679	16,435,758	10.2
	TOTAL BOILER PLANT EQUIPMENT				2,708,316,450.83	1,377,303,553	1,455,091,120	148,006,204
	BOILER PLANT EQUIPMENT - SCR CATALYST							
	ASHEVILLE UNIT 1	12-2027	10-S1 *	0	3,857,262.78	4,500,630	(543,367)	0
	ASHEVILLE UNIT 2	12-2027	10-S1 *	0	1,798,265.75	1,961,047	(162,762)	0
	MAYO UNIT 1	06-2029	10-S1 *	0	7,428,602.62	7,594,648	(602,009)	0
	ROXBORO UNIT 1	06-2028	10-S1 *	0	7,925,444.00	8,427,153	(245,775)	0
	ROXBORO UNIT 2	06-2028	10-S1 *	0	5,857,261.54	6,103,037	(245,775)	0
	ROXBORO UNIT 3	06-2029	10-S1 *	0	6,541,925.15	4,984,846	3,75	6.3
	ROXBORO UNIT 4	06-2029	10-S1 *	0	7,261,916.42	8,154,038	(892,122)	0
	TOTAL BOILER PLANT EQUIPMENT - SCR CATALYST				40,770,378.26	41,735,399	(965,021)	245,298
	TURBOGENERATOR UNITS							
	ASHEVILLE UNIT 1	12-2027	60-S0 *	(4)	18,830,227.72	7,566,897	11,986,540	1,378,245
	ASHEVILLE UNIT 2	12-2027	60-S0 *	(4)	13,868,640.50	13,145,255	1,382,131	1,553,232
	MAYO UNIT 1	06-2029	60-S0 *	(4)	109,800,959.00	65,409,412	45,983,905	4,863,807
	ROXBORO UNIT 1	06-2028	60-S0 *	(5)	45,628,567.76	18,857,340	230,562,656	3,153,178
	ROXBORO UNIT 2	06-2028	60-S0 *	(5)	44,955,643.18	15,793,614	3,418,913	6,601,862
	ROXBORO UNIT 3	06-2029	60-S0 *	(5)	73,030,422.44	30,051,305	35,507,686	3,723,176
	ROXBORO UNIT 4	06-2029	60-S0 *	(5)	69,365,391.07	337,291	144,545	14,125
	TOTAL TURBOGENERATOR UNITS				376,051,042.43	186,748,811	206,680,706	21,309,532
	ACCESSORY ELECTRIC EQUIPMENT							
	ASHEVILLE UNIT 1	12-2027	70-R1 *	(4)	17,304,563.70	10,105,982	7,890,765	896,804
	ASHEVILLE UNIT 2	12-2027	70-R1 *	(4)	10,774,312.04	11,377,112	36,774,329	5,187,026
	MAYO UNIT 1	06-2029	70-R1 *	(4)	66,026,604.18	32,788,460	3,151,100	5,40
	ROXBORO UNIT 1	06-2028	70-R1 *	(5)	27,116,638.64	9,398,873	19,918,347	7,71
	ROXBORO UNIT 2	06-2028	70-R1 *	(5)	24,223,049.38	17,239,203	8,194,999	8,831,710
	ROXBORO UNIT 3	06-2029	70-R1 *	(5)	42,571,385.55	15,020,156	26,988,199	3,65
	ROXBORO UNIT 4	06-2029	70-R1 *	(5)	43,547,828.88	20,300,939	2,486,377	6,84
	ROXBORO COMMON	06-2029	70-R1 *	(5)	23,722,266.18	7,261,792	17,631,587	1,723,535
	TOTAL ACCESSORY ELECTRIC EQUIPMENT				256,892,644.55	123,497,516	145,290,676	14,662,196
	MISCELLANEOUS POWER PLANT EQUIPMENT							
	ASHEVILLE UNIT 1	12-2027	45-S0 *	(4)	10,334,480.63	4,727,909	6,019,951	695,241
	ASHEVILLE UNIT 2	12-2027	45-S0 *	(4)	5,120,201.92	4,538,194	786,816	91,397
	MAYO UNIT 1	06-2029	45-S0 *	(4)	13,338,741.21	5,544,869	8,424,727	630,910
	ROXBORO UNIT 1	06-2028	45-S0 *	(5)	4,072,524.77	1,719,045	2,557,106	281,244
	ROXBORO UNIT 2	06-2028	45-S0 *	(5)	4,425,440.03	2,665,586	1,951,126	214,996
	ROXBORO UNIT 3	06-2029	45-S0 *	(5)	4,581,632.45	2,133,898	2,668,819	270,985
	ROXBORO UNIT 4	06-2029	45-S0 *	(5)	5,330,383.41	2,700,578	3,001,325	30,889
	ROXBORO COMMON	06-2029	45-S0 *	(5)	20,531,298.67	5,916,365	15,744,486	17,631
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT				67,938,703.29	30,058,440	41,015,063	4,276,220
	TOTAL STEAM PRODUCTION PLANT				3,978,949,911.10	2,068,635,392	2,121,170,895	633

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8) (9)=(8)/(5)		COMPOSITE REMAINING LIFE (10)
							AMOUNT (8)	RATE (9)=(8)/(5)	
<b>NUCLEAR PRODUCTION PLANT</b>									
321.00 STRUCTURES AND IMPROVEMENTS	08-2036	75-S1 *	(1)	423,009,418.66	182,352,007	244,887,506	14,175,485	3.35	17.3
BRUNSWICK UNIT 1	12-2034	75-S1 *	(1)	397,968,469.79	223,000,544	178,857,611	11,520,013	2.89	15.5
BRUNSWICK UNIT 2	10-2046	75-S1 *	(2)	1,986,266,873.69	1,204,989,357	831,202,855	32,484,986	1.62	25.8
HARRIS UNIT 1	10-2046	75-S1 *	(1)	(10,682,561.00)	(67,742,934)	(38,119,627)	(1,369,467)	1.29	27.8
HARRIS DISALLOWANCE	07-2030	75-S1 *	(1)	373,049,660.90	190,688,370	188,717,788	16,338,445	4.37	11.4
ROBINSON UNIT 2									
TOTAL STRUCTURES AND IMPROVEMENTS				3,085,031,862.04	1,733,397,343	1,403,546,133	72,912,872	2.36	19.2
322.00 REACTOR PLANT EQUIPMENT	08-2036	52-R2 *	(1)	612,117,238.68	289,488,246	318,770,211	19,312,794	3.16	16.5
BRUNSWICK UNIT 1	12-2034	52-R2 *	(1)	544,178,825.16	233,189,240	215,32,353	17,115,022	3.14	15.0
BRUNSWICK UNIT 2	10-2046	52-R2 *	(2)	1,075,559,612.15	425,986,533	67,104,032	28,850,318	2.68	23.3
HARRIS UNIT 1	10-2046	52-R2 *	(1)	(132,009,445.00)	(482,756,240.49)	(41,678,788)	(1,713,016)	1.29	27.8
HARRIS DISALLOWANCE	07-2030	52-R2 *	(1)			217,752,922	19,484,027	2.21	11.2
ROBINSON UNIT 2									
TOTAL REACTOR PLANT EQUIPMENT				2,562,500,516.48	1,183,524,482	1,416,680,730	83,029,751	3.24	17.1
323.00 TURBOGENERATOR UNITS	08-2036	40-S0 *	(1)	285,997,062.33	101,762,273	187,094,760	11,823,008	4.13	15.8
BRUNSWICK UNIT 1	12-2034	40-S0 *	(1)	172,548,284.27	83,684,310	90,625,457	6,442,018	3.73	14.1
BRUNSWICK UNIT 2	10-2046	40-S0 *	(2)	53,582,360.49	148,204,568	398,116,540	17,371,008	3.24	22.9
HARRIS UNIT 1	10-2046	40-S0 *	(1)	(610,466.00)	(30,646.00)	(219,820)	(7,988)	1.29	27.8
HARRIS DISALLOWANCE	07-2030	40-S0 *	(1)	333,276,803.85	41,912,529	294,697,043	26,899,155	8.07	11.0
ROBINSON UNIT 2									
TOTAL TURBOGENERATOR UNITS				1,326,899,044.92	375,217,034	970,313,980	62,528,491	4.71	15.5
324.00 ACCESSORY ELECTRIC EQUIPMENT	08-2036	50-R2.5 *	(1)	161,647,774.74	48,900,985	114,303,267	6,821,086	4.22	16.8
BRUNSWICK UNIT 1	12-2034	50-R2.5 *	(1)	210,342,927.28	83,884,412	128,591,944	8,431,189	4.01	15.3
BRUNSWICK UNIT 2	10-2046	50-R2.5 *	(2)	(256,937,664.66)	(47,885,632)	388,987,077	16,303,328	2.39	23.9
HARRIS UNIT 1	10-2046	50-R2.5 *	(1)	(164,040,016)	(164,843,649)	(92,483,649)	(3,322,766)	1.29	27.8
HARRIS DISALLOWANCE	07-2030	50-R2.5 *	(1)	279,070,966.07	77,699,673	204,162,003	17,942,056	6.43	11.4
ROBINSON UNIT 2									
TOTAL ACCESSORY ELECTRIC EQUIPMENT				1,214,660,973.27	494,019,687	743,560,642	46,176,093	3.80	16.1
325.00 MISCELLANEOUS POWER PLANT EQUIPMENT	08-2036	50-R1.5 *	(1)	201,192,500.16	72,402,768	130,801,748	7,865,762	3.91	16.6
BRUNSWICK UNIT 1	12-2034	50-R1.5 *	(1)	68,808,220.33	31,605,240	37,980,042	2,534,045	3.68	16.0
BRUNSWICK UNIT 2	10-2046	50-R1.5 *	(2)	10,487,995	10,487,995	17,59,129	5,689,127	2.38	24.1
HARRIS UNIT 1	10-2046	50-R1.5 *	(1)	(55,57,154.00)	(55,564,016)	(20,12,555)	(7,901,4)	1.29	27.8
HARRIS DISALLOWANCE	07-2030	50-R1.5 *	(1)	190,043,010.80	57,28,953	134,714,488	12,040,135	6.34	11.2
ROBINSON UNIT 2									
TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT				651,065,768.87	236,160,357	429,252,832	27,610,051	2.24	15.4
TOTAL NUCLEAR PRODUCTION PLANT				8,840,958,165.58	4,022,278,903	4,959,354,336	292,257,258	3.31	17.0
<b>HYDRAULIC PRODUCTION PLANT</b>									
331.00 STRUCTURES AND IMPROVEMENTS	08-2035	110-R2 *	(33)	6,620,300.84	2,221,068	6,583,932	187,401	2.83	35.1
BLEVENT IT	08-2035	110-R2 *	(16)	1,525,286.57	36,589	1,730,423	143,440	1.94	34.6
MARSHALL	08-2035	110-R2 *	(29)	6,634,057.32	1,449,284	7,08,649	202,328	3.05	35.1
TILLERY	08-2034	110-R2 *	(6)	3,477,324.03	1,989,353	1,711,310	112,677	3.24	35.1
WALTERS									
TOTAL STRUCTURES AND IMPROVEMENTS				18,249,968.76	5,676,294	17,134,314	609,452	3.34	28.1
332.00 RESERVOIRS, DAMS AND WATERWAYS	06-2055	120-R3 *	(33)	8,275,323.29	5,471,755	5,534,425	160,135	1.94	34.6
BLEVENT IT	06-2035	120-R3 *	(16)	4,071,208.19	2,374,604	4,347,987	107,146	16.4	34.6
MARSHALL	06-2055	120-R3 *	(29)	6,796,645.31	4,921,178	3,825,494	110,074	1.62	34.6
TILLERY	06-2034	120-R3 *	(6)	34,543,362.20	18,258,190	18,357,774	1,195,944	1.62	34.6
WALTERS									
TOTAL RESERVOIRS, DAMS AND WATERWAYS				53,686,538.99	31,046,729	30,065,690	1,609,593	3.00	35.1

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8)		COMPOSITE REMAINING LIFE (10)
								AMOUNT (9)=(8)/(5)	% (9)=(8)	
333.00	WATER WHEELS, TURBINES AND GENERATORS BLEWETT MARSHALL TILLERY WALTERS	06-2055 06-2035 06-2055 06-2034	75-R15 * 75-R15 * 75-R15 * 75-R15 *	(33) (16) (29) (6)	13,336,525.48 6,041,207.23 14,142,264.87 4,456,120.96	255,189 4,039,831 1,001,347 2,409,069	17,615,390 189,968 17,182,175 2,314,420	536,807 189,470 530,595 155,864	4.00 3.14 3.75 3.49	32.8 15.7 32.4 14.9
334.00	TOTAL WATER WHEELS, TURBINES AND GENERATORS ACCESSORY ELECTRIC EQUIPMENT BLEWETT MARSHALL TILLERY WALTERS	06-2055 06-2035 06-2055 06-2034	55-R1 * 55-R1 * 55-R1 * 55-R1 *	(33) (16) (29) (6)	13,336,525.48 7,179,515.99 3,853,242.31 13,424,973.33	258,078,118.54 7,705,436	40,079,954	1,412,536	3.71	28.4
335.00	TOTAL ACCESSORY ELECTRIC EQUIPMENT MISCELLANEOUS POWER PLANT EQUIPMENT BLEWETT MARSHALL TILLERY WALTERS	06-2055 06-2035 06-2055 06-2034	55-S0 * 55-S0 * 55-S0 * 55-S0 *	(33) (16) (29) (6)	1,753,454.11 7,543,722.48 200,696.66 1,756,787.00	1,826,329.58 773,248 602,303 448,826	422,693 66,551 1,026,634 1,302,762	2,006,325 166,257 32,943 1,413,368	338,946 10,921 137,912 96,765	4.49 3.41 3.57 6.47
336.00	TOTAL MISCELLANEOUS PLANT EQUIPMENT ROADS, RAILROADS, AND BRIDGES BLEWETT MARSHALL WALTERS	06-2035 06-2034	75-R3 * 75-R3 *	(16) (6)	50,111,373.48 12,946,58 8,258,48	9,238 8,473	5,780 2,611	364 241	2.81 0.29	15.9 11.7
	TOTAL ROADS, RAILROADS, AND BRIDGES				21,205.06	77,711	6,061	388	1.83	15.6
	TOTAL HYDRAULIC PRODUCTION PLANT				140,864,658.94	48,913,058	119,396,327	5,213,027	3.70	22.9
341.00	OTHER PRODUCTION PLANT STRUCTURES AND IMPROVEMENTS ASHEVILLE IC TURBINE BLEWETT IC TURBINES DARLINGTON IC TURBINE UNITS 1-11 DARLINGTON IC TURBINE UNITS 12 AND 13 H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 10-13) H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14) SMITH IC TURBINES (RICHLAND COUNTY) SUTTON BLACKSTART WEATHERSFONN IC TURBINES SMITH COMBINED CYCLE POWER BLOCK 4 (RICHLAND COUNTY) SMITH COMBINED CYCLE POWER BLOCK 5 (RICHLAND COUNTY) SUTTON COMBINED CYCLE (WAYNE COUNTY) H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	06-2039 06-2024 06-2020 06-2037 06-2040 06-2049 06-2041 06-2051 06-2024 06-2042 06-2051 06-2053 06-2052	50-S1 * 50-S1 *	(3) (7) (7) (7) (4) (4) (2) (9) (4) (8) (8) (3) (6)	31,762,836.46 9,370,552.66 3,652,282.66 7,179,625 9,013,914.23 3,361,819.84 19,344,678.47 4,616,347 3,568,777.41 47,894,242.52 40,103,160.35 13,462,878.60 7,338,309	15,006,579 9,67,420 1,136,285 7,179,625 4,506,042 323,439 7,843,041 4,616,347 3,833,880 40,526,455 7,907,269 1,895,584 19,662,572	17,629,142 60,650 11,136 (773,623) 1,191,846 4,868,429 40,547 11,888,531 8,000,177 484,582 9,075,567 35,404,144 15,762,349 711,267,3	97,567,77 11,136 - 69,646 254,463 40,547 57,900 21,353 92,356 440,153 1,232,77 3,07 3,81 2,79 2,76	3.07 1.14 - 17.1 19.1 2.97 20.5 20.6 5.2 0.92 30.7 3.81 2.79 2.42	18.1 5.50 - 17.1 19.1 2.97 20.5 20.6 5.2 0.92 30.7 3.81 2.79 24.1
	TOTAL STRUCTURES AND IMPROVEMENTS - SOLAR STRUCTURES AND IMPROVEMENTS - SOLAR CAMP LEUNE FAYETTEVILLE ELM CITY	06-2040 06-2040 06-2041	30-S2.5 * 30-S2.5 * 30-S2.5 *	(9) (11) (15)	28,130,74 3,957,51 3,925,80	1,617 248 248	28,805 4,145 4,267	1,307 204 205	5.00 5.15 5.17	20.6 23.3 21.0
342.00	TOTAL STRUCTURES AND IMPROVEMENTS - SOLAR FUEL HOLDERS, PRODUCERS AND ACCESSORIES ASHEVILLE IC TURBINE BLEWETT IC TURBINES DARLINGTON IC TURBINE UNITS 1-11 DARLINGTON IC TURBINE UNITS 12 AND 13 H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13) H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14) SMITH IC TURBINES (RICHLAND COUNTY) SUTTON BLACKSTART WEATHERSFONN IC TURBINES SMITH COMBINED CYCLE POWER BLOCK 4 (RICHLAND COUNTY) SMITH COMBINED CYCLE POWER BLOCK 5 (RICHLAND COUNTY) SUTTON COMBINED CYCLE (WAYNE COUNTY)	06-2039 06-2024 06-2020 06-2037 06-2040 06-2049 06-2051 06-2053 06-2052	45-R2 * 45-R2 * 45-R2 * 45-R2 * 45-R2 * 45-R2 * 45-R2 * 45-R2 * 45-R2 *	(3) (7) (7) (7) (4) (4) (4) (2) (6)	5,115,723.34 4,413,479.62 5,048,367.44 7,243,963.20 3,459,288 3,360,131 1,461,178.80 8,172,750.16 5,590,684.76 1,651,085.21 13,243,522.65 22,572,250.21 19,656,337.55 25,423,310.37	2,496,453 403,237 5,817,173 5,822,288 3,459,288 3,360,131 1,461,178.80 8,172,750.16 5,590,684.76 1,651,085.21 13,243,522.65 22,572,250.21 19,656,337.55 25,423,310.37	2,773,742 39,186 (415,419) 1,878,753 1,190,260 1,159,495 434,765 5,288,608 6,382,496 140,115 8,433,211 405,772 702,615 835,790 845,788	148,802 7,229 0 108,995 219,470 298 434,765 267,152 188,103 140,115 8,433,211 405,772 702,615 835,790 845,788	2.90 1.75 - - 1.50 19.1 2.98 3.98 3.15 3.14 5.4 20.8 28.5 30.6 29.4	18.7 5.4 - - 17.3 19.1 2.98 3.98 18.7 5.4 20.8 28.5 30.6 29.4
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES	06-2041			34,014.05	2,113	35,277	1,714	5.04	20.6
344.20	24.1	123,941,091.74	29,959,084	3,912,803	100,895,334	3,912,803	3,912,803	3,912,803	3,912,803	3,912,803

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8) = (7)/(5)		COMPOSITE REMAINING LIFE (10)
								AMOUNT (8)	ANNUAL RATE (9) = (8)/(5)	
343.00	PRIME MOVERS									
	ASHEVILLE IC TURBINE	06-2039	30-R0.5	*	(3)	51,871,187.34	8,773,161	44,654,868	2,634,563	5.08
	BLEWETT IC TURBINES	06-2024	30-R0.5	*	(7)	8,455,127.27	7,408,641	3,366,664	9,767,622	4.9
	DARLINGTON IC TURBINE UNITS 1-11	06-2020	30-R0.5	*	(7)	22,476,731.53	9,641,480	14,408,622	9,730,267	1.5
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	06-2037	30-R0.5	*	(4)	34,502,461.61	(317,217)	42,646,851	49,601,275	7.34
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	06-2040	30-R0.5	*	(4)	12,712,563.32	48,127,557	78,453,186	4,737,903	3.89
	SMITH IC TURBINES (RICHMOND COUNTY)	06-2049	30-R0.5	*	(4)	61,528,436.54	14,386,219	49,601,275	230,866,608	3.78
	SUTTON BLACKSTART	06-2041	30-R0.5	*	(2)	230,637,633.00	(28,820,222)	263,866,608	14,883,340	4.46
	WEATHERSPOON IC TURBINES	06-2057	30-R0.5	*	(9)	65,015,558.96	1,224,776	69,646,543	2,651,182	4.08
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	06-2024	30-R0.5	*	(21)	12,538,464.88	14,847,046	445,496	86,625	5.68
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	06-2051	30-R0.5	*	(8)	236,172,460.30	(21,766,797)	140,609,798	8,046,676	7.04
	SUTTON COMBINED CYCLE	06-2053	30-R0.5	*	(3)	36,161,522.77	209,595,828	559,686,021	9,344,070	3.96
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	06-2052	30-R0.5	*	(6)	44,388,607.74	30,441,659	43,865,513	15,105,488	4.18
	TOTAL PRIME MOVERS					1,769,134,020.76	141,789,923	1,715,201,596	91,873,589	5.19
343.10	PRIME MOVERS - ROTABLE PARTS									18.7
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	06-2042	6-L0.5	*	40	39,318,264.60	3,453,628	20,137,331	4,840,705	12.31
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	06-2051	6-L0.5	*	40	29,483,115.01	5,486,284	12,221,585	3,577,622	13.28
	SUTTON COMBINED CYCLE	06-2052	6-L0.5	*	40	56,942,095.59	6,820,315	27,104,942	7,057,740	12.14
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)					170,331,307.85	23,636,673	78,562,112	21,451,030	15.48
	TOTAL PRIME MOVERS - ROTABLE PARTS									3.7
344.00	GENERATORS									
	ASHEVILLE IC TURBINE	06-2039	50-R2	*	(3)	7,768,953.49	3,627,517	4,375,535	233,653	3.01
	BLEWETT IC TURBINES	06-2024	50-R2	*	(7)	1,988,284.95	2,294,189	(76,724)	3,097,650	18.7
	DARLINGTON IC TURBINE UNITS 1-11	06-2020	50-R2	*	(7)	12,477,144.73	8,712,209	4,603,489	735,488	-
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 12 AND 13)	06-2037	50-R2	*	(7)	17,131,183.45	5,615,300	12,655,767	632,402	1.5
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	06-2040	50-R2	*	(4)	22,068,150.33	10,644,166	2,807,071	12,307,075	1.29
	SMITH IC TURBINES (RICHMOND COUNTY)	06-2041	50-R2	*	(4)	13,021,303.33	(38,773,572)	10,735,084	390,823	2.67
	SUTTON BLACKSTART	06-2057	50-R2	*	(9)	2,145,710.72	274,377	2,064,447	3,759,596	3.00
	WEATHERSPOON IC TURBINES	06-2024	50-R2	*	(21)	2,098,743.68	2,565,954	(30,104)	59,357	2.77
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	06-2042	50-R2	*	(4)	40,048,074.75	62,933,029	(20,865,981)	0	-
	SUTTON COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	06-2051	50-R2	*	(8)	44,450,637.44	6,327,771	27,710,198	946,800	3.00
	SUTTON COMBINED CYCLE	06-2053	50-R2	*	(3)	44,522,493.34	4,229,533	41,554,475	1,335,598	3.11
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	06-2052	50-R2	*	(6)	55,122,184.33	5,617,199	52,782,316	1,748,925	3.17
	TOTAL GENERATORS					281,278,501.19	76,904,743	224,376,223	12,915,581	4.50
344.20	GENERATORS - SOLAR									
	CAMP LEJUNE	06-2040	25-S2.5	*	(9)	15,556,191.94	1,973,252	15,448,997	822,244	5.15
	FAYETTEVILLE	06-2040	25-S2.5	*	(11)	32,465,234.56	4,022,825	32,018,026	1,708,709	18.7
	ELM CITY	06-2041	25-S2.5	*	(15)	51,863,631.58	5,767,472	53,866,704	2,731,170	5.27
	WARSAW	06-2040	25-S2.5	*	(12)	87,181,902.80	10,800,666	88,763,065	4,629,736	5.31
	TOTAL GENERATORS - SOLAR					187,470,960.88	22,653,215	188,066,792	9,891,959	5.28
345.00	ACCESSORY ELECTRIC EQUIPMENT									
	ASHEVILLE IC TURBINE	06-2039	50-R1.5	*	(3)	13,502,429.56	3,492,810	10,414,693	549,433	4.07
	BLEWETT IC TURBINES	06-2024	50-R1.5	*	(7)	1,418,891.99	1,450,318	67,886	12,494	5.4
	DARLINGTON IC TURBINE UNITS 1-11	06-2020	50-R1.5	*	(7)	4,689,111.48	4,588,032	61,918	8,433,605	1.5
	H.F. LEE IC TURBINE UNITS 12 AND 13	06-2037	50-R1.5	*	(7)	10,782,807.93	4,187,477	7,370,127	433,757	1.02
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	06-2040	50-R1.5	*	(4)	19,028,915.26	9,566,455	11,167,537	576,702	10.4
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	06-2049	50-R1.5	*	(4)	10,998,164.94	2,350,198	8,692,934	12,198,303	2.04
	SMITH IC TURBINES (RICHMOND COUNTY)	06-2041	50-R1.5	*	(2)	29,375,389.18	11,618,321	18,224,297	694,076	3.06
	SUTTON BLACKSTART	06-2024	50-R1.5	*	(21)	1,988,624	1,866,086	1,767,794	379,136	2.79
	WEATHERSPOON IC TURBINES	06-2042	50-R1.5	*	(4)	3,003,206.27	2,165,205.44	7,033,541	15,425,793	3.34
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	06-2044	50-R1.5	*	(8)	51,327,924.43	8,850,051	45,684,108	1,621,061	3.16
	SUTTON COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	06-2053	50-R1.5	*	(3)	62,840,670.78	6,215,905	61,722,966	2,012,729	3.20
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	06-2052	50-R1.5	*	(6)	6,205,369.69	6,205,369.69	74,912,296	2,531,220	3.31
	TOTAL ACCESSORY ELECTRIC EQUIPMENT					319,458,436.71	66,731,781	269,392,595	10,796,245	3.38
345.20	ACCESSORY ELECTRIC EQUIPMENT - SOLAR									
	CAMP LEJUNE	06-2040	25-S2.5	*	(9)	2,761,117.30	351,375	2,658,243	141,616	5.13
	FAYETTEVILLE	06-2040	25-S2.5	*	(11)	532,260.74	68,266	523,653	28,033	18.8
	ELM CITY	06-2041	25-S2.5	*	(15)	33,458,18	16,509	136,988	6,990	5.24
	WARSAW	06-2040	25-S2.5	*	(12)	1,258,878.46	103,341.11	1,246,533	66,731	18.7
	TOTAL ACCESSORY ELECTRIC EQUIPMENT - SOLAR					4,686,714.68	599,561	4,665,397	243,370	5.19

**TABLE 1. SUMMARY OF ESTIMATED SURVIVOR COST, BOOK RESERVE AND CALCULATED DUKE ENERGY PROGRESS ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018**

ACCOUNT	(1)	PROBABLE RETIREMENT DATE			ORIGINAL COST AS OF DECEMBER 31, 2018			BOOK RESERVE			CALCULATED ANNUAL ACCRUAL		
		SURVIVOR CURVE	NET SALVAGE VALUE PERCENT	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(9)=(8)/(5)	(11)	(12)
MISCELLANEOUS POWER PLANT EQUIPMENT													
ASHEVILLE IC TURBINE	346.00	06-2039	30-S1 *	(3)	3,414,473.38	90,837	2,616,070	165,627	4.85	15.8			
BLEWETT IC TURBINES		06-2024	30-S1 *	(7)	204,914.95	80,191	139,068	26,575	12.97	5.2			
DARLINGTON IC TURBINE UNITS 1-11		06-2020	30-S1 *	(7)	1,349,543	(168,029)	264,703	177,654	186,63	1.5			
DARLINGTON IC TURBINE UNITS 12 AND 13		06-2037	30-S1 *	(7)	1,432,545.23	806,305	726,518	44,312	3.09	16.4			
H.F. LEIC TURBINES (WAYNE COUNTY UNITS 10-13)		06-2040	30-S1 *	(4)	1,316,904.66	889,548	480,033	31,177	2.37	15.4			
H.F. LEIC TURBINES (WAYNE COUNTY UNIT 14)		06-2044	30-S1 *	(4)	1,125,769.23	408,022	762,708	38,046	3.38	20.0			
SMITH IC TURBINES (RICHMOND COUNTY)		06-2049	30-S1 *	(2)	763,551.98	(2,857,079)	1,016,123	624,277	8.16	27.0			
SUTTON BLACKS TART		06-2057	30-S1 *	(9)	1,681,416.54	215,281	203,901	20,043	3.95	17.8			
WEATHERSPON IC TURBINES		06-2024	30-S1 *	(21)	721,477.59	4,901,411.09	4,562,021	657,707	123,221	17.08	5.3		
WEATHERSPON IC TURBINES		06-2042	30-S1 *	(4)	8,419,845.29	1,797,141	546,446	26,282	26,282	20.8			
SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)		06-2051	30-S1 *	(8)	8,363,725.23	630,158	7,296,479	337,867	4.01	21.6			
SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)		06-2053	30-S1 *	(3)	11,795,130.01	1,356,771	11,146,121	489,752	3.84	23.8			
H.F. LEIC COMBINED CYCLE (WAYNE COUNTY)		06-2052	30-S1 *	(6)						4.15	22.8		
TOTAL MISCELLANEOUS PLANT EQUIPMENT					51,301,514.01	8,689,364	45,233,609	2,493,577	4.86	18.1			
MISCELLANEOUS POWER PLANT EQUIPMENT - SOLAR													
ELM CITY	346.20	06-2041	30-S2.5 *	(15)	10,069,36	467	11,112	528	5.24	21.0			
WARSAW		06-2040	30-S2.5 *	(12)	19,111,49	547	20,556	1,017	5.32	20.5			
TOTAL MISCELLANEOUS PLANT EQUIPMENT - SOLAR					29,180,85	1,015	31,970	1,545	5.29	20.7			
TOTAL OTHER PRODUCTION PLANT					3,126,769,336.82		471,071,560	2,750,686,979	5.08	17.3			
TOTAL PRODUCTION					16,087,542,172.24	6,610,898,913	9,920,168,088	668,375,584	4.15	14.8			
TRANSMISSION PLANT													
STRUCTURES AND IMPROVEMENTS													
60-R3	352.00	07-174	90,193,203.79	(10)	30,731,591	303,140,540	68,480,933	1,622,028	1.80	42.2			
55-R1.5		07-174	32,08	(15)	1,070,460	480	987,659,577	23,228,452	2.21	42.2			
75-R4		07-174	57,664.53	(20)	78,936,543	46,266,549	48,455,088	936,307	1.19	51.8			
49-R1.5		07-174	53,801.54	(40)	743,280,241	262,890,321	77,702,017	19,031,917	2.56	40.9			
65-R2.5		07-174	59,389.11	(40)	551,039,389	187,315,620	554,139,620	11,985,033	2.07	51.3			
60-R4		07-174	32,286.46	0	21,603,999	1,688,307	32,870	539	1.73	58.8			
49-S2.5		07-174	59,999.00	0	19,15,692	68,523	504,195	2.33	1.36	57.4			
75-R3		07-174	312,522.67	0			244,000	4,253					
TOTAL TRANSMISSION PLANT					2,555,572,839.38	762,003,713	2,496,629,797	57,110,744	2.23	43.7			
DISTRIBUTION PLANT													
STRUCTURES AND IMPROVEMENTS													
60-R2	361.00	127,079,158.04	(15)	48,130,054	98,010,977	5,021,366	1,59						
49-R1		63,055,387.27	(15)	199,280,175	566,233,520	15,332,138	2.24						
45-R2.5		85,975,311.01	(100)	618,145,612	1,039,151,250	33,555,194	3.92						
45-R1		1,208,423,459.24	(30)	617,980,131	953,070,366	24,922,045	2.06						
45-S2.5		199,779,066.87	(15)	156,884,435	165,861,492	17,225,775	2.37						
48-S2		1,134,635,170.25	(5)	622,088,309	569,278,619	18,411,036	1.62						
40-R2		1,151,254,323.64	(5)	379,236,165	808,577,425	27,806,592	2.46						
55-R3		681,775,180.43	(20)	370,861,150	447,264,066	10,686,784	1.59						
28-R4		5,889,323.64	(10)	81,415,375	68,662,881	1,063,840	2.05						
28-R4		142,517,522.33	(5)	81,602,020	68,041,378	7,007,351	**						
15-S2.5		69,770,613.08	0	2,407,584	67,303,019	4,645,866	6.66						
26-S0.5		318,551,648.97	(10)	257,936,464	97,470,464	4,405,748	14.5						
25-R1		264,812,433.82	(10)	14,493,162	276,800,515	12,840,929	4.85						
TOTAL DISTRIBUTION PLANT					6,869,642,984	3,308,642,984	5,260,755,982	161,607,654	2.44				

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

GENERAL PLANT STRUCTURES AND IMPROVEMENTS OFFICE FURNITURE AND EQUIPMENT FULLY ACCRUED AMORTIZED	ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8) (9)=(8)/(5)		COMPOSITE REMAINING LIFE (10)
								AMOUNT (8)	ANNUAL RATE (9)=(8)/(5)	
390.00	GENERAL PLANT	45-R1.5	(5)	156,446,136.21	31,155,047	133,113,396	3,805,402	2.43	35.0	
391.00	STRUCTURES AND IMPROVEMENTS OFFICE FURNITURE AND EQUIPMENT FULLY ACCRUED AMORTIZED	FULLY ACCRUED 15-SQ	0	10,200,214.55 14,220,609.30	10,200,215 2,800,000	11,660,609	0 968,950	- 6.67	- 12.0	
	TOTAL OFFICE FURNITURE AND EQUIPMENT			24,720,823.85	13,000,215	11,660,609	968,950	3.92	12.0	
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP	8-SQ	0	61,586,228.38	20,800,000	20,786,228	7,696,591	12.50	5.3	
392.00	OFFICE FURNITURE AND EQUIPMENT - EDP	11-R4	*	69,975,818.26	34,355,441	49,33,004	4,493,300	6.42	5.6	
393.00	STORES EQUIPMENT	20-SQ	0	20,950,932.97	822,000	1,237,933	1,02,994	5.00	12.0	
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	20-SQ	0	90,147,659.07	21,910,000	68,337,659	4,508,303	5.00	15.2	
395.00	LABORATORY EQUIPMENT	15-SQ	0	6,138,788.51	3,980,000	2,831,789	449,309	6.67	6.3	
396.00	POWER OPERATED EQUIPMENT	12-S6	0	2,255,815	3,453,872	412,343	7.26	8.4		
397.00	COMMUNICATION EQUIPMENT FULLY ACCRUED AMORTIZED	FULLY ACCRUED 10-SQ	0	59,338,956.41 120,535,862.75	53,800,000	66,645,863	12,049,16	10.00	5.6	
	TOTAL COMMUNICATION EQUIPMENT			179,971,819.16	113,325,956	66,645,863	12,049,716	6.70	5.5	
398.00	MISCELLANEOUS EQUIPMENT	20-SQ	0	23,040,257.68	15,615,000	7,425,258	1,150,668	5.00	6.6	
	TOTAL GENERAL PLANT			<b>620,468,150.39</b>	<b>257,147.474</b>	<b>360,646,611</b>	<b>35,638,485</b>	<b>5.74</b>	<b>10.1</b>	
	TOTAL TRANSMISSION, DISTRIBUTION AND GENERAL PLANT			<b>10,045,309,708.16</b>	<b>4,327,794,170</b>	<b>8,108,002,380</b>	<b>260,356,883</b>	<b>2.59</b>	<b>31.1</b>	
	DEPRECIABLE LAND RIGHTS									
310.00	LAND RIGHTS ASHEVILLE UNIT 1 MAYO UNIT 1 ROXBORO UNIT 1 ROXBORO UNIT 3	12-2027 100-R4 * 0 06-2029 100-R4 * 0 06-2029 100-R4 * 0	100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0	919,201.95 3,577,117.54 1,827,202.76 1,90,729 3,037,934.25	1,049,268 3,213,884 1,90,729 3,151,250	(130,066) (363,233) (83,526) (113,316)	34,725 0 0 0	0 0.97 - -	0 10.50 - -	
	TOTAL ACCOUNT 310			9,361,456.50	9,325,132	36,325	34,725	0.37	-	
320.00	LAND RIGHTS HARRIS UNIT 1 ROBINSON UNIT 2	10-2046 07-2030 100-R4 * 0 100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0	100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0	49,309,293.03 315,919.74	33,296,139 316,714	16,513,154 (794)	60,1134	1.21	27.5	
	TOTAL LAND RIGHTS			50,125,212.77	33,612,853	16,512,360	60,1134	1.20	27.5	
320.10	RIGHTS OF WAY BRUNSWICK UNIT 1 ROBINSON UNIT 2	08-2036 12-2034 07-2030 100-R4 * 0 100-R4 * 0 0	100-R4 * 0 0 100-R4 * 0 0 100-R4 * 0 0	9,724,11 51,976 6,141,10	8,156 49,976 6,141	1,568 1,388 0	90 88 0	0.93 0.17 -	17.4 15.8 -	
	TOTAL RIGHTS OF WAY			67,228.28	64,272	2,956	178	0.26	16.6	
330.00	TOTAL ACCOUNT 320 LAND RIGHTS WALTERS	06-2034 110-R4 * 0	110-R4 * 0	50,192,441.05	33,677,125	16,515,316	60,1,312	1.20	27.5	
				80,796,94	50,520	30,277	2,160	2.67	14.0	
330.10	TOTAL RIGHTS OF WAY BLEWETT MARSHALL TILLERY WALTERS	06-2055 06-2035 06-2055 06-2034	110-R4 * 0 110-R4 * 0 110-R4 * 0	9,598,14 3,728,53 19,764,49 33,333,15	6,297 2,548 13,269 20,634	3,301 1,180 6,495 12,699	196 98 887 887	2.03 16.9 24.9 14.3	16.9 12.0 13.2 14.3	
	TOTAL RIGHTS OF WAY			<b>66,424.31</b>	<b>42,748</b>	<b>23,675</b>	<b>1,441</b>	<b>2.17</b>	<b>16.4</b>	
340.00	TOTAL ACCOUNT 330 LAND RIGHTS H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	06-2040 60-R4 * 0	60-R4 * 0	147,221.25	93,268	53,982	3,601	2.45	15.0	
				2,048,655.08	1,037,253	1,011,402	49,114	2.40	20.6	
340.10	RIGHTS OF WAY H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	06-2040 60-R4 * 0	60-R4 * 0	<b>2,532,367.27</b>	<b>1,106,468</b>	<b>1,425,809</b>	<b>67,730</b>	<b>2.67</b>	<b>21.0</b>	
	TOTAL ACCOUNT 340.1			<b>4,581,022.35</b>	<b>2,143,721</b>	<b>2,437,301</b>	<b>116,853</b>	<b>2.55</b>	<b>20.9</b>	

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND RATES AS OF DECEMBER 31, 2018

ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	NET SURVIVOR CURVE (3)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRUALS (7)	CALCULATED ANNUAL ACCRUAL RATE (8) (9)=(8)/(5)		COMPOSITE REMAINING LIFE (10)
						AMOUNT (8)	RATE (9)=(8)/(5)	
350.10 RIGHTS OF WAY	75-R3	0	176,749,823.75	68,578,311	108,171,513	2,039,608	1.15	53.0
360.00 LAND RIGHTS	65-R3	0	107,521.37	88,448	1,586	1,586	1.48	55.8
360.10 RIGHTS OF WAY	65-R3	0	23,908,367.28	12,098,169	298,919	298,919	1.25	39.8
389.10 RIGHTS OF WAY	60-R3	0	51,783.33	(670,230)	722,014	27,147	52.42	28.6
<b>TOTAL DEPRECIABLE LAND RIGHTS</b>			<b>265,995,636.88</b>		<b>125,175,569</b>		<b>3,123,751</b>	
<b>TOTAL ELECTRIC PLANT</b>			<b>26,397,951,517.28</b>		<b>11,063,898,652</b>		<b>931,854,216</b>	
<b>RESERVE ADJUSTMENT FOR AMORTIZATION</b>								
391.00 OFFICE FURNITURE AND EQUIPMENT						3,426,096	***	
393.00 STORES EQUIPMENT						152,417	***	
394.00 TOOLS, SHOP AND GARAGE EQUIPMENT						2,277,057	***	
395.00 LABORATORY EQUIPMENT						(79,964)	***	
397.00 COMMUNICATION EQUIPMENT						11,355,498	***	
398.00 MISCELLANEOUS EQUIPMENT						1,397,290	***	
<b>RESERVE ADJUSTMENT FOR AMORTIZATION</b>			<b>(32,646,470)</b>			<b>18,529,294</b>		
<b>TOTAL DEPRECIABLE ELECTRIC PLANT</b>			<b>26,397,951,517.28</b>		<b>10,971,222,183</b>		<b>18,169,094,536</b>	
<b>NONDEPRECIALE AND ACCOUNTS NOT STUDIED</b>						<b>980,383,512</b>		
<b>NONDEPRECIALE ACCOUNTS</b>								
301.00 ORGANIZATION						717,237.36	134,172	
302.00 FRANCHISE						59,871,453.31	25,082,129	
303.00 SOFTWARE						466,781,699.76	297,605,023	
310.00 LAND						23,302,268.83		
311.00 STRUCTURES AND IMPROVEMENTS - OTHER - GENERAL PLANT						248,681.03	342,312,237	
317.00 ARO - STEAM						827,197,087.81		
320.00 LAND						18,165,986.67		
321.00 STRUCTURES AND IMPROVEMENTS - CAPITAL LEASE						1,854,278.73	234,148,758	
326.00 ARO - NUCLEAR						876,137,782.45		
330.00 LAND						2,681,695.37		
331.00 STRUCTURES AND IMPROVEMENTS - OTHER - GENERAL PLANT						248,682.37		
337.00 ARO - HYDRO						1,734,119.29	108,750	
340.00 LAND						5,421,028.49		
341.00 STRUCTURES AND IMPROVEMENTS - CAPITAL LEASE						105,999,098.00		
347.20 ARO - OTHER PRODUCTION - SOLAR						7,642,438.48		
350.00 LAND						14,066,210.40		
352.00 STRUCTURES AND IMPROVEMENTS - CAPITAL LEASE						18,335,571.33		
360.00 LAND						51,479,536.91		
389.00 LAND						8,066,305.23		
390.00 STRUCTURES AND IMPROVEMENTS - CAPITAL LEASE						10,359,698.41		
399.00 ARO - GENERAL						2,717,587.67	1,704,333	
<b>TOTAL NONDEPRECIALE ACCOUNTS</b>						<b>2,503,055,437.90</b>	<b>901,05,401</b>	
<b>RETIRED PLANTS</b>								
CAFE FEAR						(1,328,95)	(1,329)	
ROBINSONICT							349,120	
ROXBORO ICT							(146,504)	
<b>TOTAL RETIRED PLANTS</b>							<b>201,287</b>	

**TABLE 1. SUMMARY OF ESTIMATED SURVIVOR RATES, NET SALVAGE PERCENT, ORIGINAL COST, BOOK RESERVE AND CALCULATED ANNUAL DEPRECIATION ACCRUALS AND PERCENT AS OF DECEMBER 31, 2018**

ACCOUNT (1)	PROBABLE RETIREMENT DATE (2)	SURVIVOR CURVE (3)	NET SALVAGE PERCENT (4)	ORIGINAL COST AS OF DECEMBER 31, 2018 (5)	BOOK RESERVE (6)	FUTURE ACCRAILS (7)	CALCULATED ANNUAL ACCRUAL (8)	RATE (9)=(8)/(5)	COMPOSITE REMAINING LIFE (10)	
									AMOUNT	RATE
<b>CELLARNEOUS</b>										
UNSPECIFIED									(381,483)	
NONUTILITY									11,814,219	
HARRIS ACCELERATED DEPRECIATION									404,563,441	
CPL DECOMM									96,189,655	
RATE DIFFERENCE									(35,009,966)	
ARO									1,512,496	
ARO CONTRA COR									(26,235,987)	
OTHER (NO ACCOUNT ON 1085 PROVIDED)									22,144	
<b>TOTAL MISCELLANEOUS</b>										
							0.00		452,484,518	
<b>TOTAL NONDEPRECIABLE AND ACCOUNTS NOT STUDIED</b>										
							2,603,054,108.95		1,353,791,206	
<b>ALL PLANT</b>										
Curve shown is interim survivor curve. Each facility in the account is assigned an individual probable retirement year.										
** Annual Accrual Amount calculated based on remaining amortization period of 9.71 years (March 2028 which is 10 years from implementation).										
*** 5 year Amortization of Adjusted Reserve related to implementation of Amortization Accounting.										
Accrual rates for the Asheville Combined Cycle Plant when placed in service by November 2019 will be as follows:										

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\* Curve shown is interim survivor curve. Each facility in the account is assigned an individual probable retirement year.

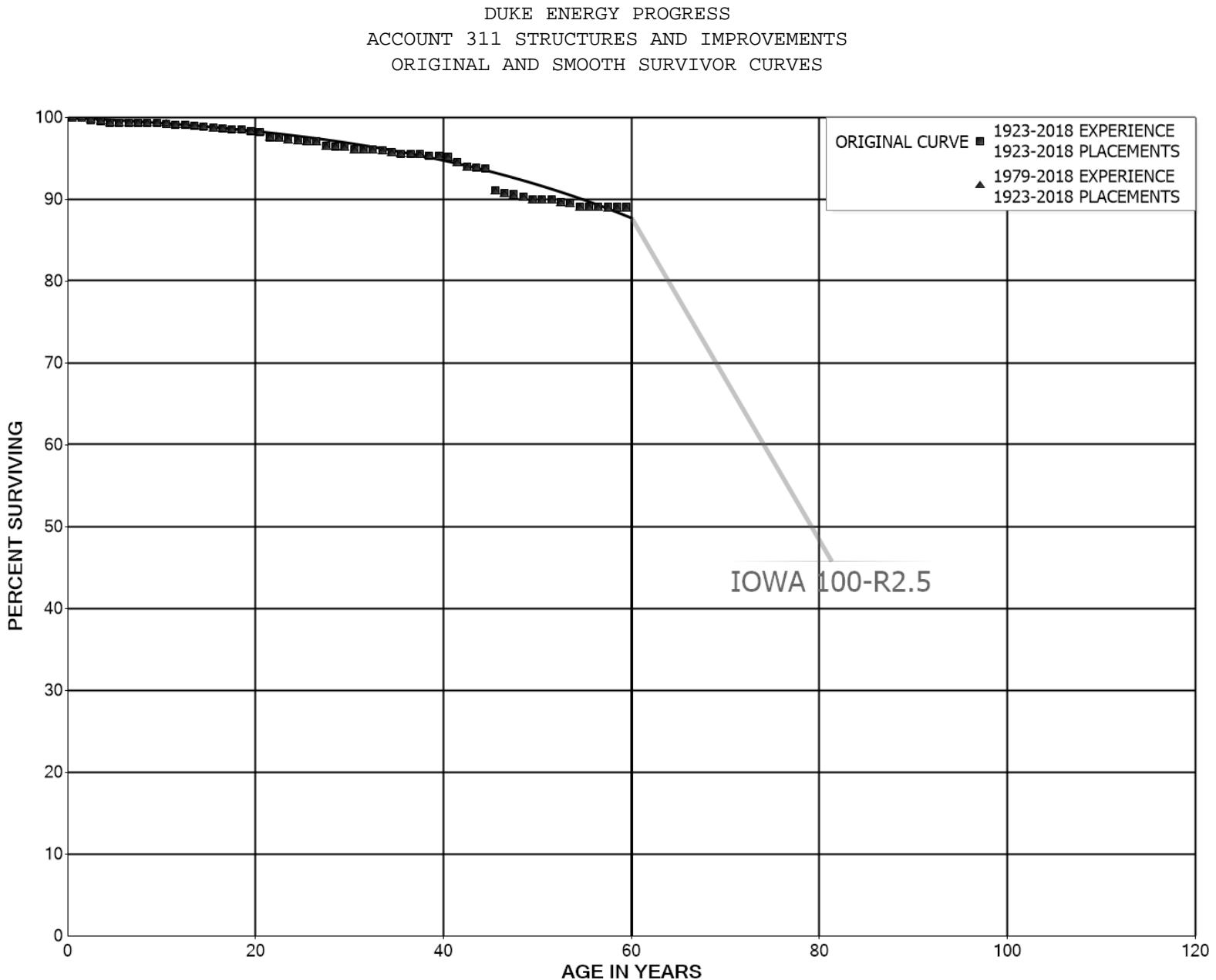
\*\* Annual Accrual Amount calculated based on remaining amortization period of 9.71 years (March

Accrual rates for the Asheville Combined Cycle Plant when placed

Accrual rates for new Battery Storage Assets based on a 15-L3 survivor curve and 0% net salvage will be as follows:

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## PART VII. SERVICE LIFE STATISTICS



## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1923-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	604,117,779	57,175	0.0001	0.9999	100.00
0.5	575,839,602	3,088	0.0000	1.0000	99.99
1.5	558,707,841	1,893,481	0.0034	0.9966	99.99
2.5	543,431,095	921,095	0.0017	0.9983	99.65
3.5	514,876,991	971,566	0.0019	0.9981	99.48
4.5	480,276,598	5,595	0.0000	1.0000	99.29
5.5	506,667,373	12,475	0.0000	1.0000	99.29
6.5	498,777,926	216,145	0.0004	0.9996	99.29
7.5	479,754,779	48,151	0.0001	0.9999	99.25
8.5	473,369,886	30,168	0.0001	0.9999	99.24
9.5	409,925,508	31,833	0.0001	0.9999	99.23
10.5	360,758,863	711,383	0.0020	0.9980	99.22
11.5	302,691,784	53,581	0.0002	0.9998	99.03
12.5	284,003,764	234,944	0.0008	0.9992	99.01
13.5	249,725,580	108,802	0.0004	0.9996	98.93
14.5	235,277,562	484,974	0.0021	0.9979	98.89
15.5	229,416,384	134,039	0.0006	0.9994	98.68
16.5	219,579,972	233,186	0.0011	0.9989	98.62
17.5	216,967,480	42,089	0.0002	0.9998	98.52
18.5	214,487,385	444,882	0.0021	0.9979	98.50
19.5	212,948,140	272,415	0.0013	0.9987	98.30
20.5	211,422,628	1,317,406	0.0062	0.9938	98.17
21.5	207,073,831	157,304	0.0008	0.9992	97.56
22.5	203,282,263	479,943	0.0024	0.9976	97.48
23.5	196,935,925	269,614	0.0014	0.9986	97.25
24.5	196,619,620	184,424	0.0009	0.9991	97.12
25.5	195,371,762	37,936	0.0002	0.9998	97.03
26.5	193,050,588	1,034,956	0.0054	0.9946	97.01
27.5	189,266,752	99,289	0.0005	0.9995	96.49
28.5	184,452,773	181,689	0.0010	0.9990	96.44
29.5	182,792,004	494,384	0.0027	0.9973	96.35
30.5	181,057,753	87,626	0.0005	0.9995	96.08
31.5	189,766,758	54,646	0.0003	0.9997	96.04
32.5	188,427,727	75,043	0.0004	0.9996	96.01
33.5	179,185,259	531,616	0.0030	0.9970	95.97
34.5	174,265,363	283,381	0.0016	0.9984	95.69
35.5	92,304,587	6,124	0.0001	0.9999	95.53
36.5	89,274,190	58,230	0.0007	0.9993	95.53
37.5	84,021,032	123,780	0.0015	0.9985	95.46
38.5	77,234,830	66,274	0.0009	0.9991	95.32

## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	73,403,601	91,211	0.0012	0.9988	95.24
40.5	72,924,255	484,171	0.0066	0.9934	95.12
41.5	56,036,848	326,921	0.0058	0.9942	94.49
42.5	53,692,363	37,379	0.0007	0.9993	93.94
43.5	45,005,588	47,204	0.0010	0.9990	93.87
44.5	44,907,513	1,306,311	0.0291	0.9709	93.78
45.5	33,809,644	104,692	0.0031	0.9969	91.05
46.5	33,668,877	74,746	0.0022	0.9978	90.77
47.5	31,711,146	86,196	0.0027	0.9973	90.56
48.5	31,608,155	108,760	0.0034	0.9966	90.32
49.5	31,257,237	17,361	0.0006	0.9994	90.01
50.5	27,306,853	8,676	0.0003	0.9997	89.96
51.5	27,271,223	94,736	0.0035	0.9965	89.93
52.5	17,795,448	17,684	0.0010	0.9990	89.62
53.5	16,041,918	73,158	0.0046	0.9954	89.53
54.5	13,111,939		0.0000	1.0000	89.12
55.5	13,111,655	581	0.0000	1.0000	89.12
56.5	11,165,020	13,232	0.0012	0.9988	89.12
57.5	11,151,408		0.0000	1.0000	89.01
58.5	10,538,520		0.0000	1.0000	89.01
59.5	8,185,732		0.0000	1.0000	89.01
60.5	8,170,007	23,840	0.0029	0.9971	89.01
61.5	4,869,879		0.0000	1.0000	88.75
62.5	1,874,853		0.0000	1.0000	88.75
63.5	1,855,379		0.0000	1.0000	88.75
64.5	1,855,379		0.0000	1.0000	88.75
65.5	1,758,000		0.0000	1.0000	88.75
66.5	1,756,842		0.0000	1.0000	88.75
67.5	1,755,584		0.0000	1.0000	88.75
68.5	1,754,297		0.0000	1.0000	88.75
69.5	1,753,089		0.0000	1.0000	88.75
70.5	969,792		0.0000	1.0000	88.75
71.5	969,792		0.0000	1.0000	88.75
72.5	969,792		0.0000	1.0000	88.75
73.5	969,792		0.0000	1.0000	88.75
74.5	969,792		0.0000	1.0000	88.75
75.5	969,792		0.0000	1.0000	88.75
76.5	969,792		0.0000	1.0000	88.75
77.5	969,792		0.0000	1.0000	88.75
78.5	969,792		0.0000	1.0000	88.75

## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	969,792	5,407	0.0056	0.9944	88.75
80.5	964,385		0.0000	1.0000	88.26
81.5	964,385		0.0000	1.0000	88.26
82.5	964,385		0.0000	1.0000	88.26
83.5	964,385	1,114	0.0012	0.9988	88.26
84.5	963,271		0.0000	1.0000	88.15
85.5	959,030		0.0000	1.0000	88.15
86.5	855,131		0.0000	1.0000	88.15
87.5	855,131		0.0000	1.0000	88.15
88.5	507,067		0.0000	1.0000	88.15
89.5					88.15

## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	520,218,535	29,135	0.0001	0.9999	100.00
0.5	495,564,670	2,297	0.0000	1.0000	99.99
1.5	482,780,222	1,893,370	0.0039	0.9961	99.99
2.5	470,852,347	918,760	0.0020	0.9980	99.60
3.5	453,801,618	962,881	0.0021	0.9979	99.41
4.5	420,920,526	47	0.0000	1.0000	99.20
5.5	460,994,196	5,103	0.0000	1.0000	99.20
6.5	466,832,866	216,070	0.0005	0.9995	99.20
7.5	449,103,818	9,260	0.0000	1.0000	99.15
8.5	443,132,945	27,276	0.0001	0.9999	99.15
9.5	379,711,798	20,025	0.0001	0.9999	99.14
10.5	332,358,489	697,449	0.0021	0.9979	99.14
11.5	274,316,424	53,366	0.0002	0.9998	98.93
12.5	260,775,803	215,807	0.0008	0.9992	98.91
13.5	226,524,543	108,444	0.0005	0.9995	98.83
14.5	214,382,342	483,735	0.0023	0.9977	98.78
15.5	208,767,502	132,339	0.0006	0.9994	98.56
16.5	202,149,365	232,886	0.0012	0.9988	98.49
17.5	199,583,052	41,039	0.0002	0.9998	98.38
18.5	200,689,601	437,792	0.0022	0.9978	98.36
19.5	199,243,443	267,533	0.0013	0.9987	98.15
20.5	198,612,666	1,295,453	0.0065	0.9935	98.01
21.5	194,286,253	155,622	0.0008	0.9992	97.37
22.5	191,974,823	473,030	0.0025	0.9975	97.30
23.5	186,543,429	227,297	0.0012	0.9988	97.06
24.5	187,555,805	183,711	0.0010	0.9990	96.94
25.5	186,497,157	37,520	0.0002	0.9998	96.84
26.5	185,381,429	1,034,765	0.0056	0.9944	96.82
27.5	184,114,574	99,289	0.0005	0.9995	96.28
28.5	179,356,165	179,689	0.0010	0.9990	96.23
29.5	180,826,513	482,384	0.0027	0.9973	96.14
30.5	179,104,262	87,626	0.0005	0.9995	95.88
31.5	187,910,645	53,386	0.0003	0.9997	95.83
32.5	186,574,032	66,946	0.0004	0.9996	95.81
33.5	177,340,920	525,616	0.0030	0.9970	95.77
34.5	172,428,310	231,032	0.0013	0.9987	95.49
35.5	90,521,092	2,124	0.0000	1.0000	95.36
36.5	88,280,467	58,230	0.0007	0.9993	95.36
37.5	83,027,309	120,780	0.0015	0.9985	95.29
38.5	76,244,107	63,274	0.0008	0.9992	95.16

## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

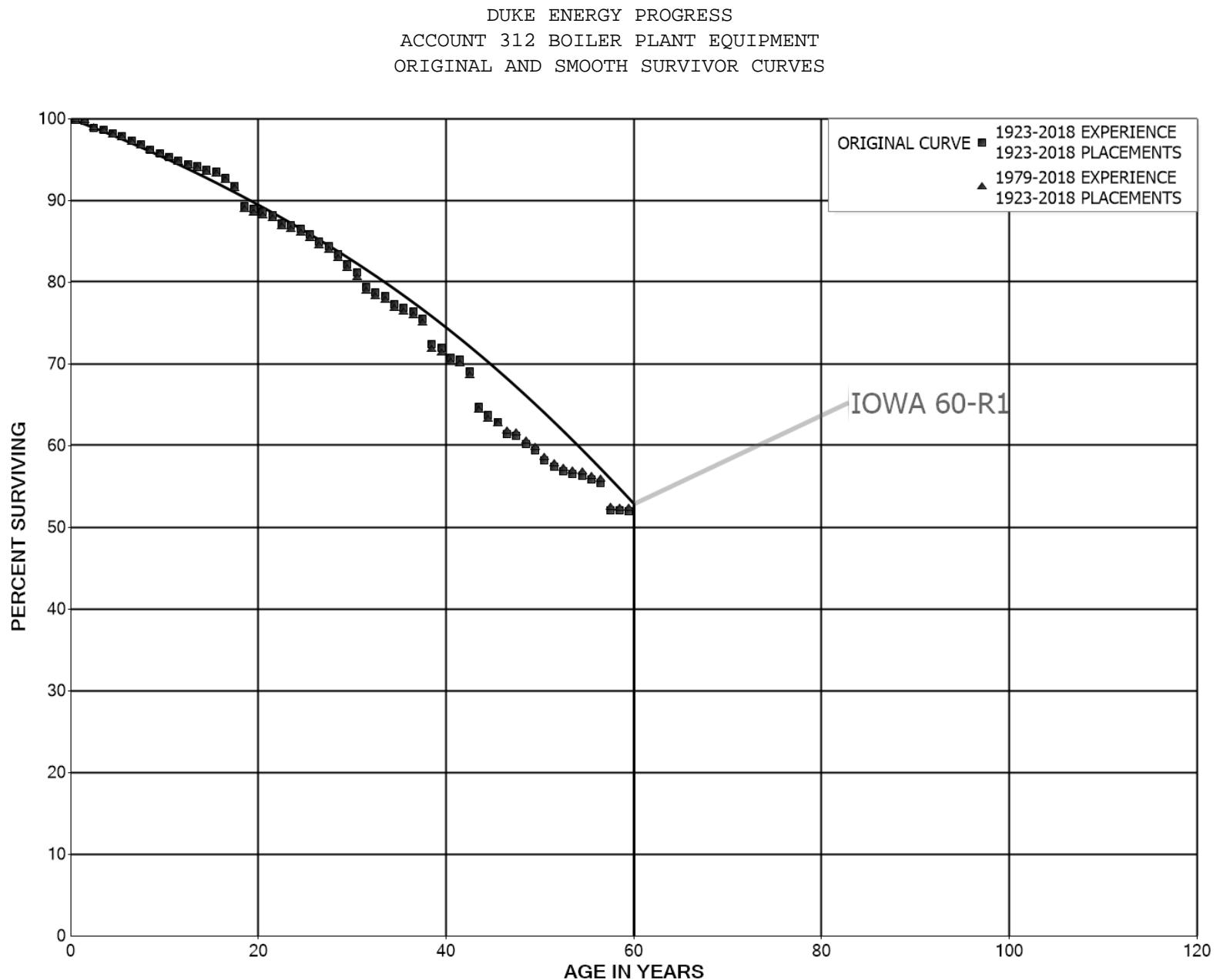
PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	72,415,878	85,861	0.0012	0.9988	95.08
40.5	71,941,882	481,171	0.0067	0.9933	94.96
41.5	55,057,475	321,821	0.0058	0.9942	94.33
42.5	52,718,091	33,298	0.0006	0.9994	93.78
43.5	44,035,396	46,804	0.0011	0.9989	93.72
44.5	43,937,721	1,306,311	0.0297	0.9703	93.62
45.5	32,839,852	104,692	0.0032	0.9968	90.83
46.5	32,699,085	74,746	0.0023	0.9977	90.55
47.5	30,741,354	86,196	0.0028	0.9972	90.34
48.5	30,638,363	108,760	0.0035	0.9965	90.08
49.5	30,287,445	17,361	0.0006	0.9994	89.77
50.5	26,337,061	8,676	0.0003	0.9997	89.71
51.5	26,306,786	94,736	0.0036	0.9964	89.68
52.5	16,934,910	17,684	0.0010	0.9990	89.36
53.5	15,181,380	73,158	0.0048	0.9952	89.27
54.5	12,599,465		0.0000	1.0000	88.84
55.5	13,111,655	581	0.0000	1.0000	88.84
56.5	11,165,020	13,232	0.0012	0.9988	88.83
57.5	11,151,408		0.0000	1.0000	88.73
58.5	10,538,520		0.0000	1.0000	88.73
59.5	8,185,732		0.0000	1.0000	88.73
60.5	8,170,007	23,840	0.0029	0.9971	88.73
61.5	4,869,879		0.0000	1.0000	88.47
62.5	1,874,853		0.0000	1.0000	88.47
63.5	1,855,379		0.0000	1.0000	88.47
64.5	1,855,379		0.0000	1.0000	88.47
65.5	1,758,000		0.0000	1.0000	88.47
66.5	1,756,842		0.0000	1.0000	88.47
67.5	1,755,584		0.0000	1.0000	88.47
68.5	1,754,297		0.0000	1.0000	88.47
69.5	1,753,089		0.0000	1.0000	88.47
70.5	969,792		0.0000	1.0000	88.47
71.5	969,792		0.0000	1.0000	88.47
72.5	969,792		0.0000	1.0000	88.47
73.5	969,792		0.0000	1.0000	88.47
74.5	969,792		0.0000	1.0000	88.47
75.5	969,792		0.0000	1.0000	88.47
76.5	969,792		0.0000	1.0000	88.47
77.5	969,792		0.0000	1.0000	88.47
78.5	969,792		0.0000	1.0000	88.47

## DUKE ENERGY PROGRESS

## ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	969,792	5,407	0.0056	0.9944	88.47
80.5	964,385		0.0000	1.0000	87.98
81.5	964,385		0.0000	1.0000	87.98
82.5	964,385		0.0000	1.0000	87.98
83.5	964,385	1,114	0.0012	0.9988	87.98
84.5	963,271		0.0000	1.0000	87.87
85.5	959,030		0.0000	1.0000	87.87
86.5	855,131		0.0000	1.0000	87.87
87.5	855,131		0.0000	1.0000	87.87
88.5	507,067		0.0000	1.0000	87.87
89.5					87.87



## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1923-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	3,301,056,703	5,381,641	0.0016	0.9984	100.00
0.5	3,122,918,827	3,509,730	0.0011	0.9989	99.84
1.5	3,067,413,402	27,055,293	0.0088	0.9912	99.72
2.5	2,985,571,660	8,550,863	0.0029	0.9971	98.85
3.5	2,859,270,133	12,547,157	0.0044	0.9956	98.56
4.5	2,647,235,532	9,146,141	0.0035	0.9965	98.13
5.5	2,538,435,605	14,049,255	0.0055	0.9945	97.79
6.5	2,471,200,753	10,822,545	0.0044	0.9956	97.25
7.5	2,379,098,035	14,755,594	0.0062	0.9938	96.82
8.5	2,299,069,755	11,044,088	0.0048	0.9952	96.22
9.5	2,050,213,252	9,280,042	0.0045	0.9955	95.76
10.5	1,881,806,462	10,252,536	0.0054	0.9946	95.33
11.5	1,521,670,220	5,768,483	0.0038	0.9962	94.81
12.5	1,412,298,332	4,600,154	0.0033	0.9967	94.45
13.5	1,252,031,844	6,122,648	0.0049	0.9951	94.14
14.5	1,190,668,297	2,723,306	0.0023	0.9977	93.68
15.5	1,079,492,544	8,111,070	0.0075	0.9925	93.47
16.5	1,028,145,353	11,373,486	0.0111	0.9889	92.76
17.5	956,107,102	25,207,576	0.0264	0.9736	91.74
18.5	890,819,455	4,150,378	0.0047	0.9953	89.32
19.5	848,421,742	3,006,659	0.0035	0.9965	88.90
20.5	818,064,140	3,645,365	0.0045	0.9955	88.59
21.5	787,173,234	8,692,262	0.0110	0.9890	88.19
22.5	754,249,638	2,689,464	0.0036	0.9964	87.22
23.5	734,049,651	3,549,526	0.0048	0.9952	86.91
24.5	719,832,673	5,688,798	0.0079	0.9921	86.49
25.5	695,198,414	6,746,528	0.0097	0.9903	85.80
26.5	682,738,146	5,061,381	0.0074	0.9926	84.97
27.5	672,401,843	7,261,439	0.0108	0.9892	84.34
28.5	655,654,672	9,923,536	0.0151	0.9849	83.43
29.5	619,386,607	7,805,205	0.0126	0.9874	82.17
30.5	609,872,463	12,999,101	0.0213	0.9787	81.13
31.5	636,239,579	5,058,093	0.0079	0.9921	79.40
32.5	628,060,927	4,186,487	0.0067	0.9933	78.77
33.5	619,775,734	7,440,463	0.0120	0.9880	78.25
34.5	620,125,164	3,493,781	0.0056	0.9944	77.31
35.5	374,481,936	2,309,829	0.0062	0.9938	76.87
36.5	358,959,329	3,973,554	0.0111	0.9889	76.40
37.5	348,877,992	14,796,273	0.0424	0.9576	75.55
38.5	232,819,970	1,382,196	0.0059	0.9941	72.35

## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	218,798,898	3,504,044	0.0160	0.9840	71.92
40.5	209,131,725	715,443	0.0034	0.9966	70.77
41.5	179,262,691	3,668,953	0.0205	0.9795	70.52
42.5	175,386,209	11,022,410	0.0628	0.9372	69.08
43.5	163,662,954	2,588,726	0.0158	0.9842	64.74
44.5	154,892,646	2,093,791	0.0135	0.9865	63.72
45.5	112,472,826	2,582,699	0.0230	0.9770	62.85
46.5	109,739,805	395,719	0.0036	0.9964	61.41
47.5	96,062,042	1,533,538	0.0160	0.9840	61.19
48.5	94,463,069	1,301,956	0.0138	0.9862	60.21
49.5	93,104,121	1,849,028	0.0199	0.9801	59.38
50.5	65,549,254	851,793	0.0130	0.9870	58.20
51.5	64,661,935	636,484	0.0098	0.9902	57.45
52.5	45,291,183	277,289	0.0061	0.9939	56.88
53.5	43,125,980	162,920	0.0038	0.9962	56.53
54.5	32,740,070	294,663	0.0090	0.9910	56.32
55.5	32,714,929	214,505	0.0066	0.9934	55.81
56.5	26,113,927	1,575,530	0.0603	0.9397	55.45
57.5	24,465,554	40,801	0.0017	0.9983	52.10
58.5	19,591,405	25,039	0.0013	0.9987	52.02
59.5	11,954,916	33,067	0.0028	0.9972	51.95
60.5	8,899,120	110,293	0.0124	0.9876	51.80
61.5	4,311,860	275,565	0.0639	0.9361	51.16
62.5	1,642,087	60,577	0.0369	0.9631	47.89
63.5	1,577,356		0.0000	1.0000	46.13
64.5	1,575,356	226	0.0001	0.9999	46.13
65.5	1,574,890		0.0000	1.0000	46.12
66.5	1,574,886		0.0000	1.0000	46.12
67.5	1,574,526		0.0000	1.0000	46.12
68.5	1,573,626		0.0000	1.0000	46.12
69.5	864,151		0.0000	1.0000	46.12
70.5	123,202		0.0000	1.0000	46.12
71.5	123,202		0.0000	1.0000	46.12
72.5	123,202		0.0000	1.0000	46.12
73.5	123,202		0.0000	1.0000	46.12
74.5	123,202		0.0000	1.0000	46.12
75.5	123,202		0.0000	1.0000	46.12
76.5	123,202		0.0000	1.0000	46.12
77.5	123,202	99	0.0008	0.9992	46.12
78.5	123,103		0.0000	1.0000	46.08

## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	123,103		0.0000	1.0000	46.08
80.5	123,103	66,120	0.5371	0.4629	46.08
81.5	56,983		0.0000	1.0000	21.33
82.5	56,983		0.0000	1.0000	21.33
83.5	56,983	7,742	0.1359	0.8641	21.33
84.5	49,241	1,183	0.0240	0.9760	18.43
85.5	48,058		0.0000	1.0000	17.99
86.5	48,058		0.0000	1.0000	17.99
87.5	48,058	47,658	0.9917	0.0083	17.99
88.5	306		0.0000	1.0000	0.15
89.5					0.15

## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	2,994,280,719	5,182,433	0.0017	0.9983	100.00
0.5	2,820,687,031	2,605,605	0.0009	0.9991	99.83
1.5	2,771,043,619	26,440,177	0.0095	0.9905	99.73
2.5	2,690,800,862	8,476,649	0.0032	0.9968	98.78
3.5	2,582,974,724	12,489,502	0.0048	0.9952	98.47
4.5	2,387,111,571	9,120,330	0.0038	0.9962	98.00
5.5	2,349,816,850	12,688,806	0.0054	0.9946	97.62
6.5	2,317,861,577	10,543,313	0.0045	0.9955	97.09
7.5	2,244,879,642	13,928,280	0.0062	0.9938	96.65
8.5	2,165,957,870	10,985,282	0.0051	0.9949	96.05
9.5	1,917,348,756	8,927,773	0.0047	0.9953	95.57
10.5	1,781,303,910	10,149,650	0.0057	0.9943	95.12
11.5	1,421,473,844	5,713,360	0.0040	0.9960	94.58
12.5	1,329,704,214	4,583,647	0.0034	0.9966	94.20
13.5	1,169,518,760	5,983,238	0.0051	0.9949	93.87
14.5	1,119,530,794	2,491,193	0.0022	0.9978	93.39
15.5	1,008,818,594	8,109,304	0.0080	0.9920	93.19
16.5	969,844,459	11,177,537	0.0115	0.9885	92.44
17.5	898,061,401	25,022,348	0.0279	0.9721	91.37
18.5	843,715,276	4,051,068	0.0048	0.9952	88.83
19.5	802,914,944	2,779,515	0.0035	0.9965	88.40
20.5	778,213,682	3,468,677	0.0045	0.9955	88.09
21.5	747,512,093	8,657,400	0.0116	0.9884	87.70
22.5	721,959,869	2,499,697	0.0035	0.9965	86.68
23.5	707,445,383	3,475,822	0.0049	0.9951	86.38
24.5	698,354,580	5,662,564	0.0081	0.9919	85.96
25.5	673,915,236	6,668,823	0.0099	0.9901	85.26
26.5	668,451,591	5,030,638	0.0075	0.9925	84.42
27.5	661,885,422	7,247,083	0.0109	0.9891	83.78
28.5	647,161,760	9,923,536	0.0153	0.9847	82.87
29.5	613,940,336	7,798,497	0.0127	0.9873	81.60
30.5	604,434,900	12,999,101	0.0215	0.9785	80.56
31.5	630,802,429	4,979,611	0.0079	0.9921	78.83
32.5	622,702,489	4,162,885	0.0067	0.9933	78.20
33.5	614,441,258	7,440,463	0.0121	0.9879	77.68
34.5	614,791,588	3,493,781	0.0057	0.9943	76.74
35.5	369,983,607	2,309,829	0.0062	0.9938	76.31
36.5	355,411,908	3,973,554	0.0112	0.9888	75.83
37.5	345,330,571	14,796,273	0.0428	0.9572	74.98
38.5	229,272,549	1,382,196	0.0060	0.9940	71.77

## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

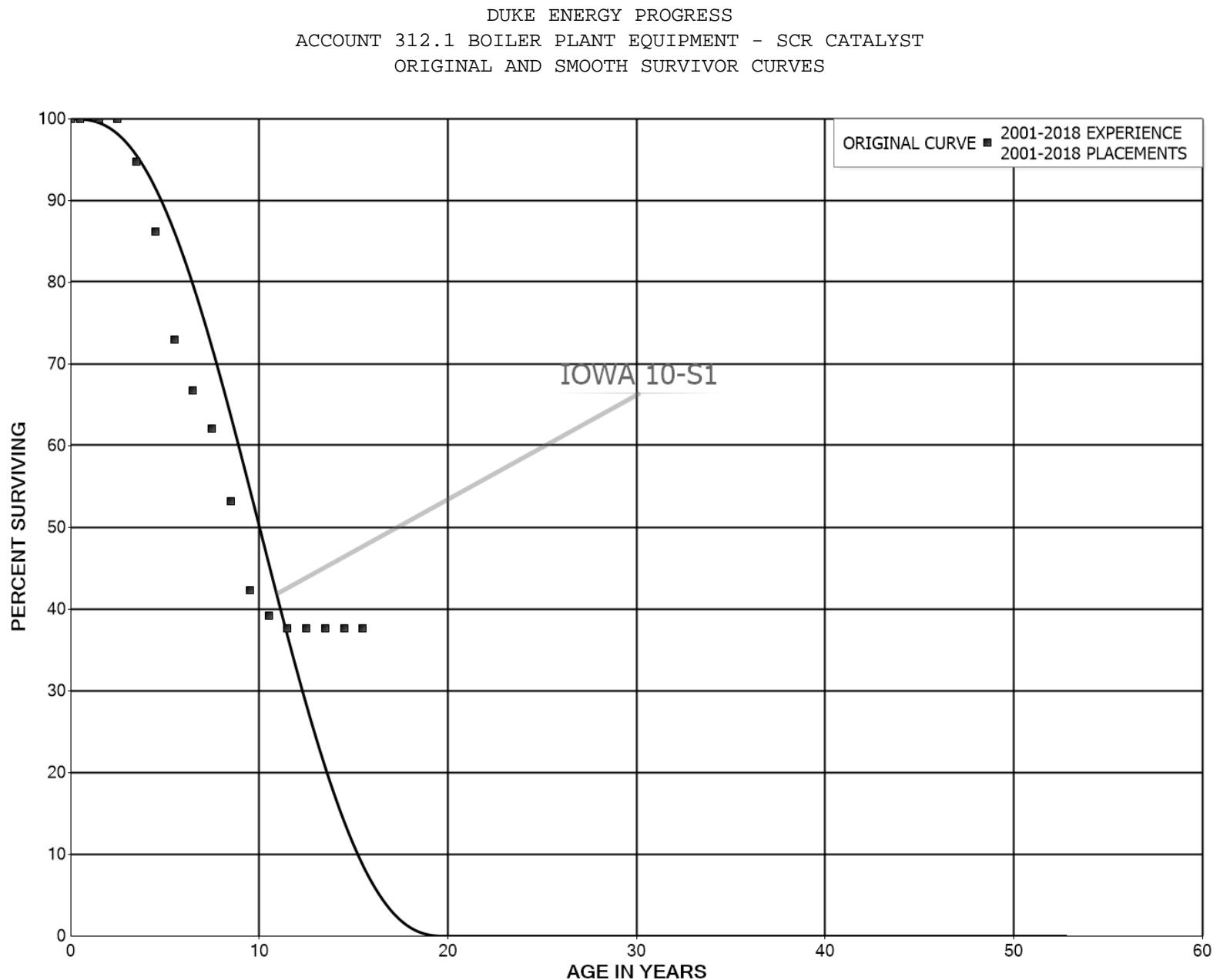
PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	215,251,476	3,504,044	0.0163	0.9837	71.34
40.5	205,584,304	715,443	0.0035	0.9965	70.17
41.5	175,715,270	3,668,953	0.0209	0.9791	69.93
42.5	171,838,788	10,622,410	0.0618	0.9382	68.47
43.5	160,515,532	2,588,726	0.0161	0.9839	64.24
44.5	151,745,225	1,493,791	0.0098	0.9902	63.20
45.5	109,925,405	1,441,281	0.0131	0.9869	62.58
46.5	108,333,802	395,719	0.0037	0.9963	61.76
47.5	94,656,039	1,533,538	0.0162	0.9838	61.53
48.5	93,057,066	1,301,956	0.0140	0.9860	60.54
49.5	91,698,118	1,849,028	0.0202	0.9798	59.69
50.5	64,143,250	819,163	0.0128	0.9872	58.49
51.5	63,296,304	636,484	0.0101	0.9899	57.74
52.5	43,926,834	277,289	0.0063	0.9937	57.16
53.5	41,761,631	84,940	0.0020	0.9980	56.80
54.5	31,453,795	292,317	0.0093	0.9907	56.68
55.5	32,714,929	214,505	0.0066	0.9934	56.16
56.5	26,113,927	1,575,530	0.0603	0.9397	55.79
57.5	24,465,554	40,801	0.0017	0.9983	52.42
58.5	19,591,405	25,039	0.0013	0.9987	52.33
59.5	11,954,916	33,067	0.0028	0.9972	52.27
60.5	8,899,120	110,293	0.0124	0.9876	52.12
61.5	4,311,860	275,565	0.0639	0.9361	51.48
62.5	1,642,087	60,577	0.0369	0.9631	48.19
63.5	1,577,356		0.0000	1.0000	46.41
64.5	1,575,356	226	0.0001	0.9999	46.41
65.5	1,574,890		0.0000	1.0000	46.40
66.5	1,574,886		0.0000	1.0000	46.40
67.5	1,574,526		0.0000	1.0000	46.40
68.5	1,573,626		0.0000	1.0000	46.40
69.5	864,151		0.0000	1.0000	46.40
70.5	123,202		0.0000	1.0000	46.40
71.5	123,202		0.0000	1.0000	46.40
72.5	123,202		0.0000	1.0000	46.40
73.5	123,202		0.0000	1.0000	46.40
74.5	123,202		0.0000	1.0000	46.40
75.5	123,202		0.0000	1.0000	46.40
76.5	123,202		0.0000	1.0000	46.40
77.5	123,202	99	0.0008	0.9992	46.40
78.5	123,103		0.0000	1.0000	46.37

## DUKE ENERGY PROGRESS

## ACCOUNT 312 BOILER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	123,103		0.0000	1.0000	46.37
80.5	123,103	66,120	0.5371	0.4629	46.37
81.5	56,983		0.0000	1.0000	21.46
82.5	56,983		0.0000	1.0000	21.46
83.5	56,983	7,742	0.1359	0.8641	21.46
84.5	49,241	1,183	0.0240	0.9760	18.55
85.5	48,058		0.0000	1.0000	18.10
86.5	48,058		0.0000	1.0000	18.10
87.5	48,058	47,658	0.9917	0.0083	18.10
88.5	306		0.0000	1.0000	0.15
89.5					0.15



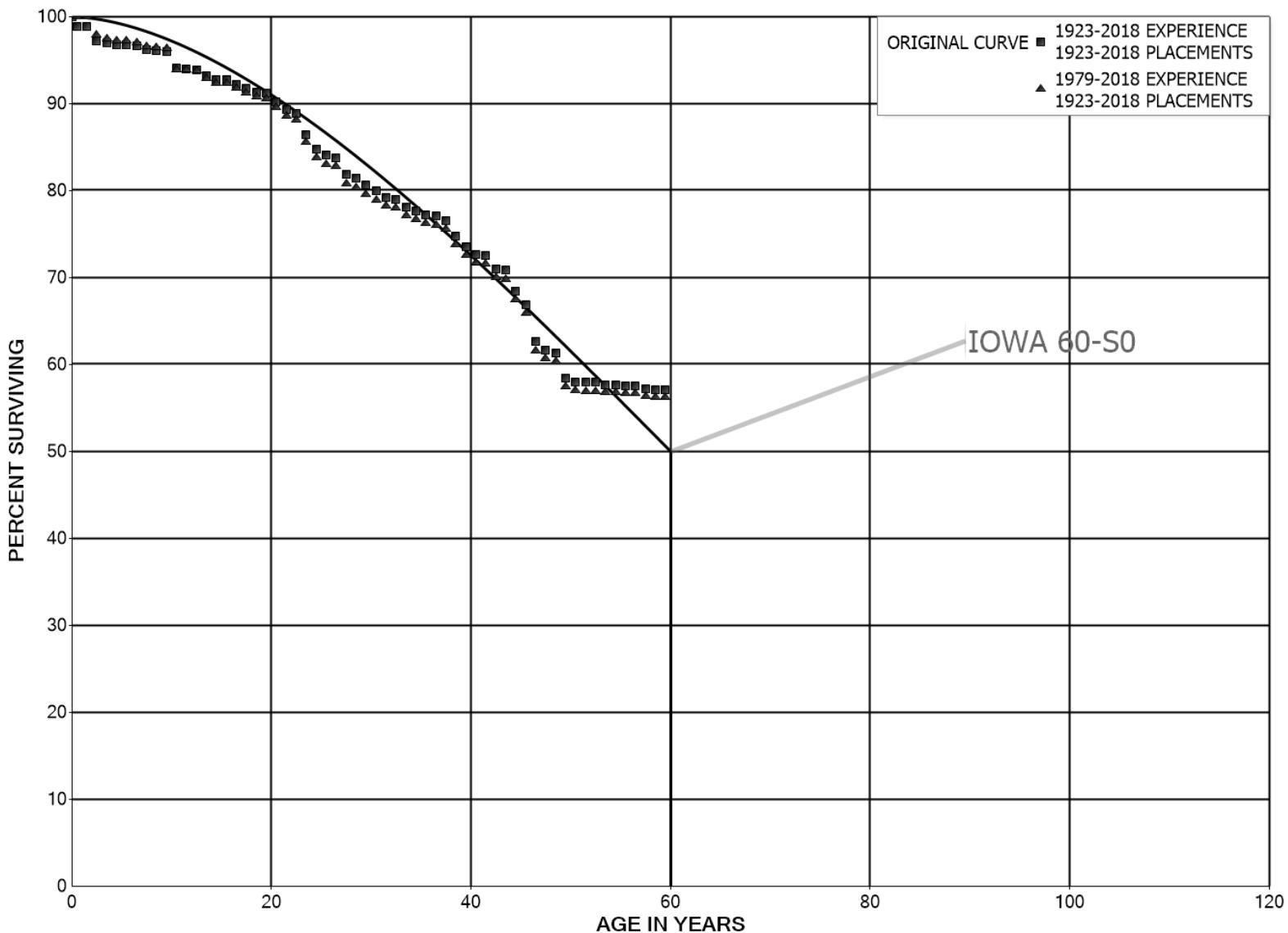
## DUKE ENERGY PROGRESS

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - SCR CATALYST

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2001-2018		EXPERIENCE BAND 2001-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	63,893,747		0.0000	1.0000	100.00
0.5	62,833,100		0.0000	1.0000	100.00
1.5	65,357,870		0.0000	1.0000	100.00
2.5	67,377,234	3,537,685	0.0525	0.9475	100.00
3.5	68,083,086	6,128,287	0.0900	0.9100	94.75
4.5	64,285,703	9,931,979	0.1545	0.8455	86.22
5.5	54,854,789	4,685,454	0.0854	0.9146	72.90
6.5	48,926,045	3,397,424	0.0694	0.9306	66.67
7.5	38,542,637	5,526,104	0.1434	0.8566	62.04
8.5	26,790,987	5,502,386	0.2054	0.7946	53.15
9.5	13,910,381	990,248	0.0712	0.9288	42.23
10.5	10,706,621	436,848	0.0408	0.9592	39.23
11.5	5,065,538		0.0000	1.0000	37.63
12.5	5,065,538		0.0000	1.0000	37.63
13.5	5,065,538		0.0000	1.0000	37.63
14.5	5,065,538		0.0000	1.0000	37.63
15.5					37.63

DUKE ENERGY PROGRESS  
ACCOUNT 314 TURBOGENERATOR UNITS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1923-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	572,448,094	6,357,231	0.0111	0.9889	100.00
0.5	558,020,048	63,284	0.0001	0.9999	98.89
1.5	555,879,066	9,340,642	0.0168	0.9832	98.88
2.5	541,995,110	1,757,429	0.0032	0.9968	97.22
3.5	492,259,432	759,124	0.0015	0.9985	96.90
4.5	459,775,161	184,402	0.0004	0.9996	96.75
5.5	422,931,181	664,363	0.0016	0.9984	96.71
6.5	411,900,670	1,620,726	0.0039	0.9961	96.56
7.5	396,869,780	503,138	0.0013	0.9987	96.18
8.5	390,414,409	392,996	0.0010	0.9990	96.06
9.5	384,936,354	7,723,516	0.0201	0.9799	95.96
10.5	366,047,317	184,485	0.0005	0.9995	94.04
11.5	362,371,954	414,968	0.0011	0.9989	93.99
12.5	359,936,777	2,705,287	0.0075	0.9925	93.88
13.5	355,810,184	1,722,892	0.0048	0.9952	93.18
14.5	353,505,552	10,477	0.0000	1.0000	92.73
15.5	347,176,903	1,873,868	0.0054	0.9946	92.72
16.5	343,677,920	1,753,652	0.0051	0.9949	92.22
17.5	340,712,137	1,628,787	0.0048	0.9952	91.75
18.5	333,512,497	537,274	0.0016	0.9984	91.31
19.5	331,674,205	3,453,416	0.0104	0.9896	91.17
20.5	319,811,569	3,256,220	0.0102	0.9898	90.22
21.5	309,654,632	1,489,048	0.0048	0.9952	89.30
22.5	293,658,338	8,140,343	0.0277	0.9723	88.87
23.5	282,756,109	5,570,839	0.0197	0.9803	86.41
24.5	273,147,258	2,201,588	0.0081	0.9919	84.70
25.5	260,673,001	875,801	0.0034	0.9966	84.02
26.5	243,674,352	5,544,335	0.0228	0.9772	83.74
27.5	233,888,342	1,323,399	0.0057	0.9943	81.83
28.5	228,167,416	2,160,368	0.0095	0.9905	81.37
29.5	224,695,286	1,871,979	0.0083	0.9917	80.60
30.5	217,716,180	1,990,173	0.0091	0.9909	79.93
31.5	225,306,928	595,040	0.0026	0.9974	79.20
32.5	222,640,867	2,591,604	0.0116	0.9884	78.99
33.5	215,804,933	1,253,462	0.0058	0.9942	78.07
34.5	216,627,031	1,178,168	0.0054	0.9946	77.62
35.5	146,392,067	287,614	0.0020	0.9980	77.19
36.5	143,678,527	919,736	0.0064	0.9936	77.04
37.5	139,463,811	3,268,718	0.0234	0.9766	76.55
38.5	104,212,242	1,691,143	0.0162	0.9838	74.75

## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	102,474,794	1,262,008	0.0123	0.9877	73.54
40.5	101,164,940	108,618	0.0011	0.9989	72.64
41.5	89,973,314	1,973,310	0.0219	0.9781	72.56
42.5	84,307,780	214,740	0.0025	0.9975	70.97
43.5	84,091,626	2,805,775	0.0334	0.9666	70.79
44.5	81,279,966	1,837,503	0.0226	0.9774	68.42
45.5	63,520,208	4,093,918	0.0645	0.9355	66.88
46.5	59,420,090	927,102	0.0156	0.9844	62.57
47.5	53,189,297	259,198	0.0049	0.9951	61.59
48.5	52,927,661	2,469,912	0.0467	0.9533	61.29
49.5	50,456,796	426,204	0.0084	0.9916	58.43
50.5	39,251,897	19,133	0.0005	0.9995	57.94
51.5	39,232,511		0.0000	1.0000	57.91
52.5	30,742,177	136,842	0.0045	0.9955	57.91
53.5	28,351,006	39,763	0.0014	0.9986	57.65
54.5	20,407,487	34,503	0.0017	0.9983	57.57
55.5	20,372,108	1,032	0.0001	0.9999	57.47
56.5	16,656,591	90,486	0.0054	0.9946	57.47
57.5	16,532,214	39,704	0.0024	0.9976	57.16
58.5	13,821,416		0.0000	1.0000	57.02
59.5	8,871,634		0.0000	1.0000	57.02
60.5	6,516,720		0.0000	1.0000	57.02
61.5	3,732,951		0.0000	1.0000	57.02
62.5	2,275,313	1,795	0.0008	0.9992	57.02
63.5	2,273,518		0.0000	1.0000	56.97
64.5	2,273,518	932	0.0004	0.9996	56.97
65.5	2,272,586		0.0000	1.0000	56.95
66.5	2,272,586		0.0000	1.0000	56.95
67.5	2,272,586		0.0000	1.0000	56.95
68.5	2,272,586	811	0.0004	0.9996	56.95
69.5	1,596,222		0.0000	1.0000	56.93
70.5	926,493		0.0000	1.0000	56.93
71.5	926,493		0.0000	1.0000	56.93
72.5	926,493		0.0000	1.0000	56.93
73.5	926,493		0.0000	1.0000	56.93
74.5	926,493		0.0000	1.0000	56.93
75.5	926,493		0.0000	1.0000	56.93
76.5	926,493		0.0000	1.0000	56.93
77.5	926,493	9,328	0.0101	0.9899	56.93
78.5	917,165		0.0000	1.0000	56.36

## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1923-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	917,165		0.0000	1.0000	56.36
80.5	917,165		0.0000	1.0000	56.36
81.5	917,165		0.0000	1.0000	56.36
82.5	917,165		0.0000	1.0000	56.36
83.5	917,165	1,232	0.0013	0.9987	56.36
84.5	915,933		0.0000	1.0000	56.28
85.5	915,933		0.0000	1.0000	56.28
86.5	914,549	401,068	0.4385	0.5615	56.28
87.5	513,481	512,134	0.9974	0.0026	31.60
88.5	1,347		0.0000	1.0000	0.08
89.5					0.08

## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	440,448,186	14,607	0.0000	1.0000	100.00
0.5	432,366,591	32,709	0.0001	0.9999	100.00
1.5	430,830,711	9,340,642	0.0217	0.9783	99.99
2.5	422,622,446	1,757,429	0.0042	0.9958	97.82
3.5	375,961,368	759,105	0.0020	0.9980	97.41
4.5	343,485,759	184,402	0.0005	0.9995	97.22
5.5	329,618,979	664,363	0.0020	0.9980	97.17
6.5	332,847,355	1,620,726	0.0049	0.9951	96.97
7.5	325,806,936	503,138	0.0015	0.9985	96.50
8.5	319,421,151	392,996	0.0012	0.9988	96.35
9.5	313,943,816	7,723,516	0.0246	0.9754	96.23
10.5	302,616,531	184,485	0.0006	0.9994	93.86
11.5	298,994,032	414,968	0.0014	0.9986	93.81
12.5	304,456,772	2,702,287	0.0089	0.9911	93.68
13.5	300,341,734	1,717,025	0.0057	0.9943	92.84
14.5	304,046,372	6,477	0.0000	1.0000	92.31
15.5	297,735,060	1,872,668	0.0063	0.9937	92.31
16.5	303,742,996	1,750,302	0.0058	0.9942	91.73
17.5	300,782,814	1,628,787	0.0054	0.9946	91.20
18.5	300,917,001	526,756	0.0018	0.9982	90.71
19.5	304,409,416	3,451,616	0.0113	0.9887	90.55
20.5	297,110,204	3,235,158	0.0109	0.9891	89.52
21.5	286,977,487	1,489,048	0.0052	0.9948	88.55
22.5	275,713,533	8,138,487	0.0295	0.9705	88.09
23.5	268,102,884	5,570,839	0.0208	0.9792	85.49
24.5	261,623,635	2,201,588	0.0084	0.9916	83.71
25.5	249,149,378	875,801	0.0035	0.9965	83.01
26.5	236,849,131	5,544,335	0.0234	0.9766	82.72
27.5	229,010,247	1,323,399	0.0058	0.9942	80.78
28.5	224,336,039	2,160,368	0.0096	0.9904	80.31
29.5	222,349,191	1,871,979	0.0084	0.9916	79.54
30.5	215,370,085	1,990,173	0.0092	0.9908	78.87
31.5	222,960,833	595,040	0.0027	0.9973	78.14
32.5	220,295,704	2,591,604	0.0118	0.9882	77.93
33.5	213,459,770	1,253,462	0.0059	0.9941	77.02
34.5	214,281,868	1,178,168	0.0055	0.9945	76.56
35.5	144,722,457	287,614	0.0020	0.9980	76.14
36.5	142,680,440	919,736	0.0064	0.9936	75.99
37.5	138,465,725	3,268,718	0.0236	0.9764	75.50
38.5	103,214,156	1,691,143	0.0164	0.9836	73.72

## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	101,476,708	1,262,008	0.0124	0.9876	72.51
40.5	100,166,854	108,618	0.0011	0.9989	71.61
41.5	88,975,228	1,973,310	0.0222	0.9778	71.53
42.5	83,309,694	214,740	0.0026	0.9974	69.94
43.5	83,093,540	2,805,775	0.0338	0.9662	69.76
44.5	80,281,880	1,837,503	0.0229	0.9771	67.41
45.5	62,522,122	4,093,918	0.0655	0.9345	65.87
46.5	58,422,004	927,102	0.0159	0.9841	61.55
47.5	52,191,211	259,198	0.0050	0.9950	60.58
48.5	51,929,575	2,469,912	0.0476	0.9524	60.28
49.5	49,458,710	426,204	0.0086	0.9914	57.41
50.5	38,253,811	19,133	0.0005	0.9995	56.91
51.5	38,235,657		0.0000	1.0000	56.89
52.5	29,746,707	66,060	0.0022	0.9978	56.89
53.5	27,426,318	39,763	0.0014	0.9986	56.76
54.5	19,894,006	34,503	0.0017	0.9983	56.68
55.5	20,372,108	1,032	0.0001	0.9999	56.58
56.5	16,656,591	90,486	0.0054	0.9946	56.58
57.5	16,532,214	39,704	0.0024	0.9976	56.27
58.5	13,821,416		0.0000	1.0000	56.13
59.5	8,871,634		0.0000	1.0000	56.13
60.5	6,516,720		0.0000	1.0000	56.13
61.5	3,732,951		0.0000	1.0000	56.13
62.5	2,275,313	1,795	0.0008	0.9992	56.13
63.5	2,273,518		0.0000	1.0000	56.09
64.5	2,273,518	932	0.0004	0.9996	56.09
65.5	2,272,586		0.0000	1.0000	56.07
66.5	2,272,586		0.0000	1.0000	56.07
67.5	2,272,586		0.0000	1.0000	56.07
68.5	2,272,586	811	0.0004	0.9996	56.07
69.5	1,596,222		0.0000	1.0000	56.05
70.5	926,493		0.0000	1.0000	56.05
71.5	926,493		0.0000	1.0000	56.05
72.5	926,493		0.0000	1.0000	56.05
73.5	926,493		0.0000	1.0000	56.05
74.5	926,493		0.0000	1.0000	56.05
75.5	926,493		0.0000	1.0000	56.05
76.5	926,493		0.0000	1.0000	56.05
77.5	926,493	9,328	0.0101	0.9899	56.05
78.5	917,165		0.0000	1.0000	55.48

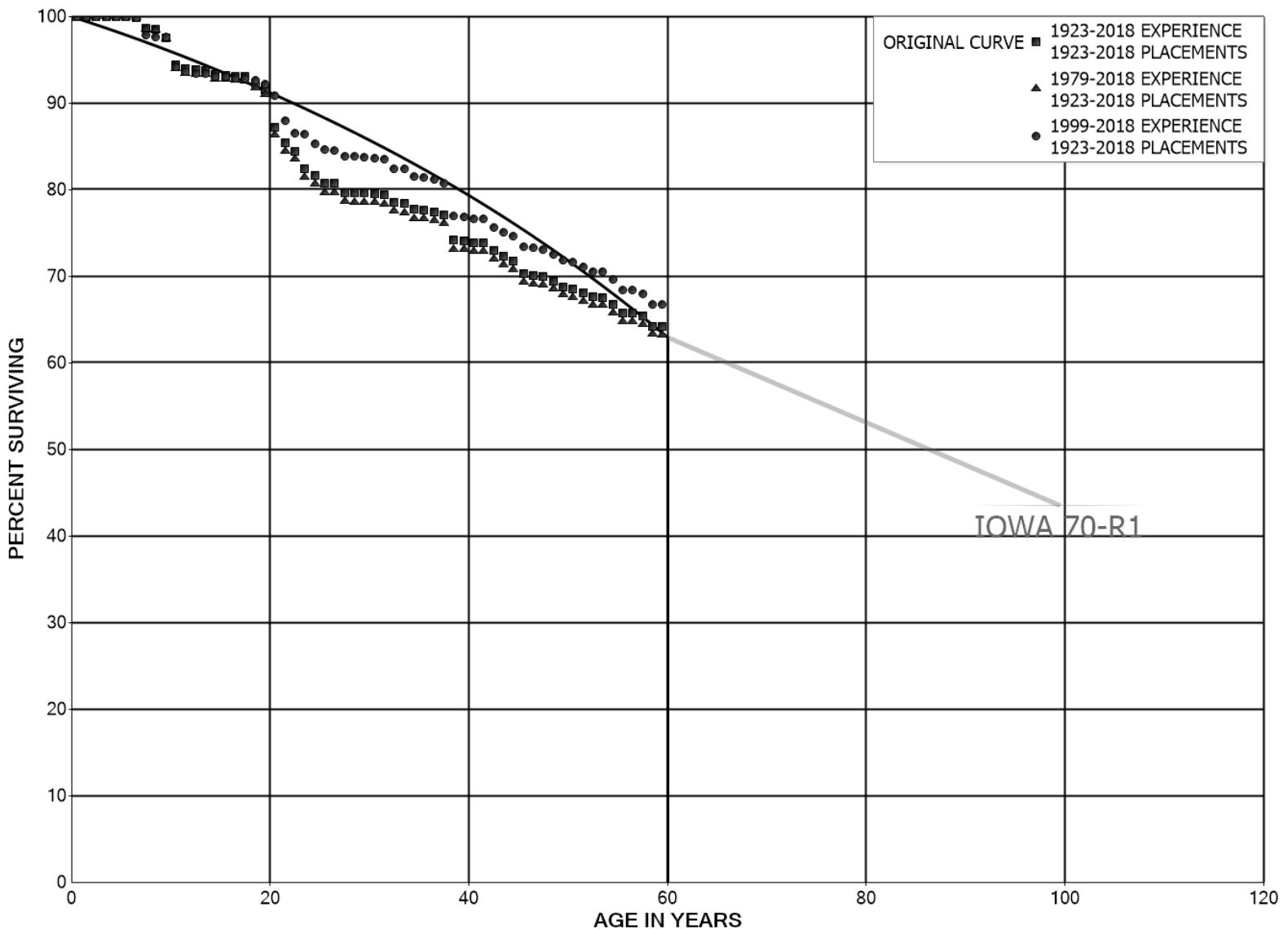
## DUKE ENERGY PROGRESS

## ACCOUNT 314 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	917,165		0.0000	1.0000	55.48
80.5	917,165		0.0000	1.0000	55.48
81.5	917,165		0.0000	1.0000	55.48
82.5	917,165		0.0000	1.0000	55.48
83.5	917,165	1,232	0.0013	0.9987	55.48
84.5	915,933		0.0000	1.0000	55.41
85.5	915,933		0.0000	1.0000	55.41
86.5	914,549	401,068	0.4385	0.5615	55.41
87.5	513,481	512,134	0.9974	0.0026	31.11
88.5	1,347		0.0000	1.0000	0.08
89.5					0.08

DUKE ENERGY PROGRESS  
ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	321,142,175	3,915	0.0000	1.0000	100.00	
0.5	311,168,782	25,665	0.0001	0.9999	100.00	
1.5	309,263,887	5,974	0.0000	1.0000	99.99	
2.5	301,187,469	78,847	0.0003	0.9997	99.99	
3.5	282,045,712	83,732	0.0003	0.9997	99.96	
4.5	274,084,480	5,614	0.0000	1.0000	99.93	
5.5	272,929,556	227,416	0.0008	0.9992	99.93	
6.5	271,301,475	3,343,809	0.0123	0.9877	99.85	
7.5	258,150,628	380,698	0.0015	0.9985	98.62	
8.5	255,753,537	2,416,191	0.0094	0.9906	98.47	
9.5	223,003,386	7,087,247	0.0318	0.9682	97.54	
10.5	190,246,634	1,069,716	0.0056	0.9944	94.44	
11.5	147,514,028	152,906	0.0010	0.9990	93.91	
12.5	140,316,012	101,865	0.0007	0.9993	93.81	
13.5	126,139,041	632,085	0.0050	0.9950	93.74	
14.5	122,362,668	102,403	0.0008	0.9992	93.27	
15.5	113,502,858	160,152	0.0014	0.9986	93.20	
16.5	112,476,995	32,894	0.0003	0.9997	93.07	
17.5	110,017,180	862,864	0.0078	0.9922	93.04	
18.5	108,206,157	927,214	0.0086	0.9914	92.31	
19.5	107,109,734	5,074,976	0.0474	0.9526	91.52	
20.5	101,131,427	2,126,589	0.0210	0.9790	87.18	
21.5	97,983,556	1,069,667	0.0109	0.9891	85.35	
22.5	96,145,986	2,318,367	0.0241	0.9759	84.42	
23.5	91,038,772	808,446	0.0089	0.9911	82.38	
24.5	90,160,189	1,029,463	0.0114	0.9886	81.65	
25.5	88,846,322	38,545	0.0004	0.9996	80.72	
26.5	87,482,900	1,136,766	0.0130	0.9870	80.68	
27.5	82,190,867	21,312	0.0003	0.9997	79.63	
28.5	78,573,751	38,358	0.0005	0.9995	79.61	
29.5	73,636,124	50,461	0.0007	0.9993	79.57	
30.5	72,720,447	140,598	0.0019	0.9981	79.52	
31.5	75,604,272	787,710	0.0104	0.9896	79.37	
32.5	74,821,613	153,261	0.0020	0.9980	78.54	
33.5	74,383,331	639,830	0.0086	0.9914	78.38	
34.5	72,687,914	79,638	0.0011	0.9989	77.70	
35.5	47,638,914	126,568	0.0027	0.9973	77.62	
36.5	45,581,566	203,816	0.0045	0.9955	77.41	
37.5	44,625,046	1,703,460	0.0382	0.9618	77.07	
38.5	32,102,825	34,046	0.0011	0.9989	74.12	

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	30,737,198	84,140	0.0027	0.9973	74.05	
40.5	30,207,208	21,706	0.0007	0.9993	73.84	
41.5	24,910,927	296,200	0.0119	0.9881	73.79	
42.5	23,727,467	221,096	0.0093	0.9907	72.91	
43.5	23,462,309	175,718	0.0075	0.9925	72.23	
44.5	23,251,018	446,014	0.0192	0.9808	71.69	
45.5	16,859,931	62,590	0.0037	0.9963	70.32	
46.5	16,737,309	30,244	0.0018	0.9982	70.06	
47.5	14,255,593	100,805	0.0071	0.9929	69.93	
48.5	14,072,197	132,823	0.0094	0.9906	69.43	
49.5	13,938,402	51,045	0.0037	0.9963	68.78	
50.5	10,321,555	74,481	0.0072	0.9928	68.53	
51.5	10,242,146	64,008	0.0062	0.9938	68.03	
52.5	8,707,127	6,773	0.0008	0.9992	67.61	
53.5	7,520,898	90,346	0.0120	0.9880	67.56	
54.5	4,263,981	63,207	0.0148	0.9852	66.74	
55.5	4,199,412		0.0000	1.0000	65.75	
56.5	3,496,396	20,035	0.0057	0.9943	65.75	
57.5	3,473,558	61,792	0.0178	0.9822	65.38	
58.5	2,830,818	655	0.0002	0.9998	64.21	
59.5	1,803,848		0.0000	1.0000	64.20	
60.5	1,580,892		0.0000	1.0000	64.20	
61.5	835,430	50,253	0.0602	0.9398	64.20	
62.5	483,392	42,225	0.0874	0.9126	60.34	
63.5	441,167		0.0000	1.0000	55.07	
64.5	441,167		0.0000	1.0000	55.07	
65.5	441,167		0.0000	1.0000	55.07	
66.5	441,167		0.0000	1.0000	55.07	
67.5	441,167		0.0000	1.0000	55.07	
68.5	441,167	35,068	0.0795	0.9205	55.07	
69.5	286,630	13,675	0.0477	0.9523	50.69	
70.5	152,583		0.0000	1.0000	48.27	
71.5	152,583		0.0000	1.0000	48.27	
72.5	152,583		0.0000	1.0000	48.27	
73.5	152,583		0.0000	1.0000	48.27	
74.5	151,629		0.0000	1.0000	48.27	
75.5	151,629		0.0000	1.0000	48.27	
76.5	151,629		0.0000	1.0000	48.27	
77.5	151,629		0.0000	1.0000	48.27	
78.5	151,629	33	0.0002	0.9998	48.27	

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	151,597	1,374	0.0091	0.9909	48.26
80.5	150,223		0.0000	1.0000	47.82
81.5	150,223		0.0000	1.0000	47.82
82.5	150,223		0.0000	1.0000	47.82
83.5	148,676	8,291	0.0558	0.9442	47.82
84.5	140,385	3,307	0.0236	0.9764	45.16
85.5	137,078		0.0000	1.0000	44.09
86.5	137,078	44,391	0.3238	0.6762	44.09
87.5	92,687	63,917	0.6896	0.3104	29.81
88.5	16,640		0.0000	1.0000	9.25
89.5					9.25

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	275,127,905	2,735	0.0000	1.0000	100.00	
0.5	265,505,835	1,085	0.0000	1.0000	100.00	
1.5	266,719,342	16	0.0000	1.0000	100.00	
2.5	259,693,539	77,192	0.0003	0.9997	100.00	
3.5	241,038,996	17,147	0.0001	0.9999	99.97	
4.5	233,893,219	5,614	0.0000	1.0000	99.96	
5.5	248,179,293	227,416	0.0009	0.9991	99.96	
6.5	250,817,673	3,343,359	0.0133	0.9867	99.87	
7.5	239,081,481	380,698	0.0016	0.9984	98.54	
8.5	236,694,912	2,416,191	0.0102	0.9898	98.38	
9.5	203,944,892	7,087,197	0.0348	0.9652	97.38	
10.5	173,465,098	1,068,857	0.0062	0.9938	93.99	
11.5	131,158,053	146,081	0.0011	0.9989	93.41	
12.5	126,088,350	97,199	0.0008	0.9992	93.31	
13.5	111,916,445	623,385	0.0056	0.9944	93.24	
14.5	109,764,313	25,377	0.0002	0.9998	92.72	
15.5	100,981,528	134,205	0.0013	0.9987	92.70	
16.5	103,393,601	15,956	0.0002	0.9998	92.57	
17.5	100,969,323	862,864	0.0085	0.9915	92.56	
18.5	100,928,206	920,587	0.0091	0.9909	91.77	
19.5	99,973,793	5,068,326	0.0507	0.9493	90.93	
20.5	96,298,725	2,106,389	0.0219	0.9781	86.32	
21.5	93,177,881	1,069,667	0.0115	0.9885	84.43	
22.5	92,189,735	2,314,772	0.0251	0.9749	83.46	
23.5	87,667,492	808,446	0.0092	0.9908	81.37	
24.5	87,626,101	1,029,463	0.0117	0.9883	80.62	
25.5	86,312,234	38,545	0.0004	0.9996	79.67	
26.5	85,560,032	1,136,766	0.0133	0.9867	79.63	
27.5	80,942,312	21,312	0.0003	0.9997	78.58	
28.5	77,565,366	38,358	0.0005	0.9995	78.56	
29.5	73,090,957	50,461	0.0007	0.9993	78.52	
30.5	72,175,280	140,598	0.0019	0.9981	78.46	
31.5	75,059,105	787,710	0.0105	0.9895	78.31	
32.5	74,277,101	152,371	0.0021	0.9979	77.49	
33.5	73,839,709	631,876	0.0086	0.9914	77.33	
34.5	72,152,246	79,638	0.0011	0.9989	76.67	
35.5	47,272,968	126,568	0.0027	0.9973	76.58	
36.5	45,378,217	203,816	0.0045	0.9955	76.38	
37.5	44,421,697	1,703,460	0.0383	0.9617	76.03	
38.5	31,899,476	34,046	0.0011	0.9989	73.12	

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	30,533,849	84,140	0.0028	0.9972	73.04
40.5	30,004,813	21,706	0.0007	0.9993	72.84
41.5	24,708,532	296,200	0.0120	0.9880	72.79
42.5	23,525,072	221,096	0.0094	0.9906	71.91
43.5	23,259,913	175,718	0.0076	0.9924	71.24
44.5	23,048,623	446,014	0.0194	0.9806	70.70
45.5	16,657,536	62,590	0.0038	0.9962	69.33
46.5	16,534,914	30,244	0.0018	0.9982	69.07
47.5	14,053,198	100,805	0.0072	0.9928	68.95
48.5	13,869,802	132,823	0.0096	0.9904	68.45
49.5	13,737,554	49,022	0.0036	0.9964	67.80
50.5	10,122,729	74,481	0.0074	0.9926	67.55
51.5	10,051,612	64,008	0.0064	0.9936	67.06
52.5	8,519,900	6,773	0.0008	0.9992	66.63
53.5	7,333,671	90,346	0.0123	0.9877	66.58
54.5	4,168,375	63,207	0.0152	0.9848	65.76
55.5	4,199,412		0.0000	1.0000	64.76
56.5	3,496,396	20,035	0.0057	0.9943	64.76
57.5	3,473,558	61,792	0.0178	0.9822	64.39
58.5	2,830,818	655	0.0002	0.9998	63.24
59.5	1,803,848		0.0000	1.0000	63.23
60.5	1,580,892		0.0000	1.0000	63.23
61.5	835,430	50,253	0.0602	0.9398	63.23
62.5	483,392	42,225	0.0874	0.9126	59.42
63.5	441,167		0.0000	1.0000	54.23
64.5	441,167		0.0000	1.0000	54.23
65.5	441,167		0.0000	1.0000	54.23
66.5	441,167		0.0000	1.0000	54.23
67.5	441,167		0.0000	1.0000	54.23
68.5	441,167	35,068	0.0795	0.9205	54.23
69.5	286,630	13,675	0.0477	0.9523	49.92
70.5	152,583		0.0000	1.0000	47.54
71.5	152,583		0.0000	1.0000	47.54
72.5	152,583		0.0000	1.0000	47.54
73.5	152,583		0.0000	1.0000	47.54
74.5	151,629		0.0000	1.0000	47.54
75.5	151,629		0.0000	1.0000	47.54
76.5	151,629		0.0000	1.0000	47.54
77.5	151,629		0.0000	1.0000	47.54
78.5	151,629	33	0.0002	0.9998	47.54

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	151,597	1,374	0.0091	0.9909	47.53
80.5	150,223		0.0000	1.0000	47.10
81.5	150,223		0.0000	1.0000	47.10
82.5	150,223		0.0000	1.0000	47.10
83.5	148,676	8,291	0.0558	0.9442	47.10
84.5	140,385	3,307	0.0236	0.9764	44.47
85.5	137,078		0.0000	1.0000	43.43
86.5	137,078	44,391	0.3238	0.6762	43.43
87.5	92,687	63,917	0.6896	0.3104	29.36
88.5	16,640		0.0000	1.0000	9.11
89.5					9.11

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1999-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	199,352,935		0.0000	1.0000	100.00
0.5	190,965,467		0.0000	1.0000	100.00
1.5	192,152,861	14	0.0000	1.0000	100.00
2.5	186,891,500	76,758	0.0004	0.9996	100.00
3.5	170,516,604	14,610	0.0001	0.9999	99.96
4.5	162,837,870	204	0.0000	1.0000	99.95
5.5	164,228,976	226,576	0.0014	0.9986	99.95
6.5	164,996,392	3,308,711	0.0201	0.9799	99.81
7.5	157,095,555	376,493	0.0024	0.9976	97.81
8.5	158,081,022	23,085	0.0001	0.9999	97.58
9.5	130,445,048	4,505,510	0.0345	0.9655	97.56
10.5	101,864,608	676,722	0.0066	0.9934	94.19
11.5	61,207,106	98,157	0.0016	0.9984	93.57
12.5	53,647,729	33,755	0.0006	0.9994	93.42
13.5	39,286,081	122,962	0.0031	0.9969	93.36
14.5	40,158,342	4,728	0.0001	0.9999	93.07
15.5	55,195,824	107,677	0.0020	0.9980	93.05
16.5	55,918,054	7,956	0.0001	0.9999	92.87
17.5	54,242,696	168,675	0.0031	0.9969	92.86
18.5	64,582,941	272,720	0.0042	0.9958	92.57
19.5	65,325,494	928,104	0.0142	0.9858	92.18
20.5	63,789,623	2,092,193	0.0328	0.9672	90.87
21.5	62,785,438	994,931	0.0158	0.9842	87.89
22.5	61,596,900	39,007	0.0006	0.9994	86.50
23.5	60,041,937	808,446	0.0135	0.9865	86.44
24.5	59,265,886	495,770	0.0084	0.9916	85.28
25.5	65,516,900	38,545	0.0006	0.9994	84.57
26.5	68,943,299	587,510	0.0085	0.9915	84.52
27.5	66,724,948	12,135	0.0002	0.9998	83.80
28.5	63,121,277	36,202	0.0006	0.9994	83.78
29.5	58,186,247	48,686	0.0008	0.9992	83.73
30.5	59,268,675	140,598	0.0024	0.9976	83.66
31.5	62,168,400	787,710	0.0127	0.9873	83.46
32.5	62,985,740	49,066	0.0008	0.9992	82.41
33.5	62,652,033	619,780	0.0099	0.9901	82.34
34.5	62,162,176	61,100	0.0010	0.9990	81.53
35.5	37,141,514	126,568	0.0034	0.9966	81.45
36.5	36,950,298	185,876	0.0050	0.9950	81.17
37.5	36,011,790	1,703,460	0.0473	0.9527	80.76
38.5	24,923,136	34,046	0.0014	0.9986	76.94

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

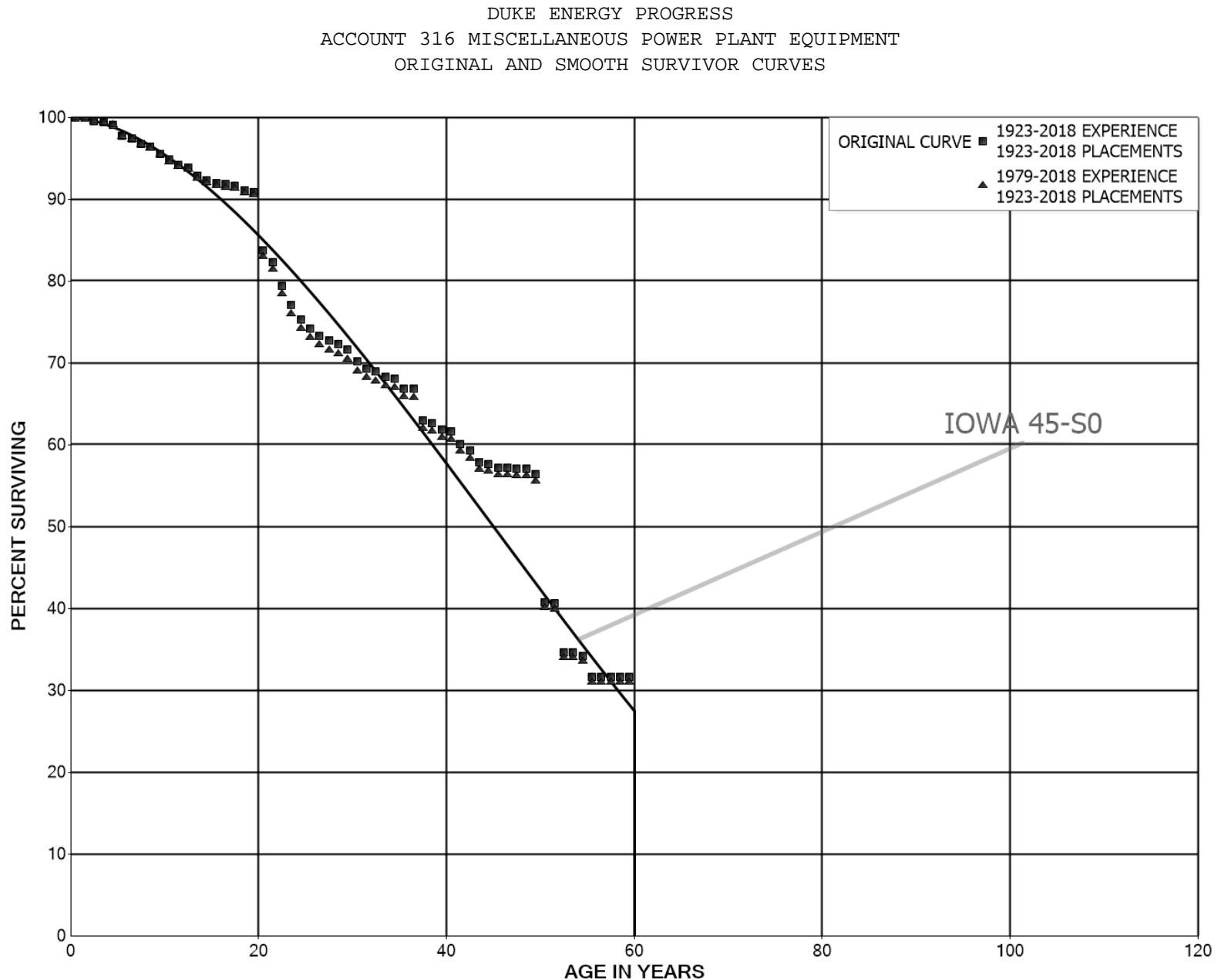
PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	23,672,664	69,446	0.0029	0.9971	76.84
40.5	25,453,957	4,070	0.0002	0.9998	76.61
41.5	20,181,835	248,797	0.0123	0.9877	76.60
42.5	19,885,412	148,834	0.0075	0.9925	75.65
43.5	20,273,890	116,395	0.0057	0.9943	75.09
44.5	20,959,115	352,982	0.0168	0.9832	74.66
45.5	14,661,060	27,439	0.0019	0.9981	73.40
46.5	15,087,286	30,244	0.0020	0.9980	73.26
47.5	13,220,038	100,805	0.0076	0.9924	73.12
48.5	13,177,784	132,823	0.0101	0.9899	72.56
49.5	13,402,079	49,022	0.0037	0.9963	71.83
50.5	9,787,255	74,481	0.0076	0.9924	71.56
51.5	9,707,846	64,008	0.0066	0.9934	71.02
52.5	8,173,482	6,773	0.0008	0.9992	70.55
53.5	6,987,253	90,346	0.0129	0.9871	70.49
54.5	3,730,336	63,207	0.0169	0.9831	69.58
55.5	3,835,488		0.0000	1.0000	68.40
56.5	3,295,070	20,035	0.0061	0.9939	68.40
57.5	3,272,232	61,792	0.0189	0.9811	67.99
58.5	2,629,491	655	0.0002	0.9998	66.70
59.5	1,602,522		0.0000	1.0000	66.69
60.5	1,380,520		0.0000	1.0000	66.69
61.5	635,058	50,253	0.0791	0.9209	66.69
62.5	283,020	42,225	0.1492	0.8508	61.41
63.5	240,795		0.0000	1.0000	52.25
64.5	240,795		0.0000	1.0000	52.25
65.5	240,795		0.0000	1.0000	52.25
66.5	240,795		0.0000	1.0000	52.25
67.5	240,795		0.0000	1.0000	52.25
68.5	240,795		0.0000	1.0000	52.25
69.5	122,873		0.0000	1.0000	52.25
70.5	2,501		0.0000	1.0000	52.25
71.5	10,792		0.0000	1.0000	52.25
72.5	14,099		0.0000	1.0000	52.25
73.5	14,099		0.0000	1.0000	52.25
74.5	69,698		0.0000	1.0000	52.25
75.5	151,629		0.0000	1.0000	52.25
76.5	151,629		0.0000	1.0000	52.25
77.5	151,629		0.0000	1.0000	52.25
78.5	151,629	33	0.0002	0.9998	52.25

## DUKE ENERGY PROGRESS

## ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	151,597	1,374	0.0091	0.9909	52.24
80.5	150,223		0.0000	1.0000	51.76
81.5	150,223		0.0000	1.0000	51.76
82.5	150,223		0.0000	1.0000	51.76
83.5	148,676	8,291	0.0558	0.9442	51.76
84.5	140,385	3,307	0.0236	0.9764	48.88
85.5	137,078		0.0000	1.0000	47.72
86.5	137,078	44,391	0.3238	0.6762	47.72
87.5	92,687	63,917	0.6896	0.3104	32.27
88.5	16,640		0.0000	1.0000	10.02
89.5					10.02



## DUKE ENERGY PROGRESS

## ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	94,813,834	50,308	0.0005	0.9995	100.00
0.5	92,452,179	33,711	0.0004	0.9996	99.95
1.5	89,938,231	369,041	0.0041	0.9959	99.91
2.5	83,093,632	129,379	0.0016	0.9984	99.50
3.5	77,669,892	214,576	0.0028	0.9972	99.35
4.5	72,970,361	1,030,014	0.0141	0.9859	99.07
5.5	69,150,740	194,134	0.0028	0.9972	97.67
6.5	64,771,604	433,189	0.0067	0.9933	97.40
7.5	62,150,493	235,888	0.0038	0.9962	96.75
8.5	59,872,080	516,222	0.0086	0.9914	96.38
9.5	56,068,291	436,432	0.0078	0.9922	95.55
10.5	51,117,158	319,627	0.0063	0.9937	94.81
11.5	41,893,283	149,337	0.0036	0.9964	94.21
12.5	37,301,327	406,323	0.0109	0.9891	93.88
13.5	29,845,898	190,453	0.0064	0.9936	92.85
14.5	28,799,203	102,040	0.0035	0.9965	92.26
15.5	27,331,821	45,292	0.0017	0.9983	91.93
16.5	26,876,919	60,358	0.0022	0.9978	91.78
17.5	26,372,586	150,767	0.0057	0.9943	91.58
18.5	25,400,312	46,691	0.0018	0.9982	91.05
19.5	24,832,920	1,966,222	0.0792	0.9208	90.89
20.5	21,366,484	369,623	0.0173	0.9827	83.69
21.5	20,344,133	704,783	0.0346	0.9654	82.24
22.5	18,605,137	556,438	0.0299	0.9701	79.39
23.5	17,513,661	392,622	0.0224	0.9776	77.02
24.5	16,813,210	247,461	0.0147	0.9853	75.29
25.5	16,395,209	189,911	0.0116	0.9884	74.18
26.5	15,577,215	128,830	0.0083	0.9917	73.32
27.5	15,026,570	85,070	0.0057	0.9943	72.72
28.5	14,432,852	146,221	0.0101	0.9899	72.31
29.5	13,531,549	274,310	0.0203	0.9797	71.57
30.5	13,167,147	159,152	0.0121	0.9879	70.12
31.5	13,395,623	72,323	0.0054	0.9946	69.27
32.5	13,034,370	106,508	0.0082	0.9918	68.90
33.5	12,497,589	41,085	0.0033	0.9967	68.34
34.5	12,291,830	222,006	0.0181	0.9819	68.11
35.5	7,499,132	10,376	0.0014	0.9986	66.88
36.5	7,321,108	419,823	0.0573	0.9427	66.79
37.5	6,583,548	38,990	0.0059	0.9941	62.96
38.5	4,569,204	58,630	0.0128	0.9872	62.59

## DUKE ENERGY PROGRESS

## ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1923-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	4,186,251	10,767	0.0026	0.9974	61.78
40.5	4,113,980	101,094	0.0246	0.9754	61.63
41.5	3,844,175	54,393	0.0141	0.9859	60.11
42.5	3,732,607	89,201	0.0239	0.9761	59.26
43.5	3,563,909	15,085	0.0042	0.9958	57.84
44.5	3,546,597	26,972	0.0076	0.9924	57.60
45.5	2,668,214	1,386	0.0005	0.9995	57.16
46.5	2,658,534	2,183	0.0008	0.9992	57.13
47.5	2,518,278	806	0.0003	0.9997	57.08
48.5	2,509,369	30,880	0.0123	0.9877	57.07
49.5	2,476,663	685,022	0.2766	0.7234	56.36
50.5	1,600,856	7,407	0.0046	0.9954	40.77
51.5	1,588,352	233,337	0.1469	0.8531	40.59
52.5	1,323,001		0.0000	1.0000	34.62
53.5	1,058,128	14,972	0.0141	0.9859	34.62
54.5	1,039,617	75,712	0.0728	0.9272	34.13
55.5	949,666		0.0000	1.0000	31.65
56.5	814,617	102	0.0001	0.9999	31.65
57.5	813,593	33	0.0000	1.0000	31.64
58.5	764,908		0.0000	1.0000	31.64
59.5	443,290	282	0.0006	0.9994	31.64
60.5	326,667	708	0.0022	0.9978	31.62
61.5	157,872		0.0000	1.0000	31.55
62.5	15,436		0.0000	1.0000	31.55
63.5	15,436	37	0.0024	0.9976	31.55
64.5	15,399		0.0000	1.0000	31.48
65.5	15,399		0.0000	1.0000	31.48
66.5	15,399		0.0000	1.0000	31.48
67.5	15,399		0.0000	1.0000	31.48
68.5	15,399		0.0000	1.0000	31.48
69.5	15,399		0.0000	1.0000	31.48
70.5	15,399		0.0000	1.0000	31.48
71.5	15,399	100	0.0065	0.9935	31.48
72.5	15,299		0.0000	1.0000	31.27
73.5	15,299		0.0000	1.0000	31.27
74.5	15,299		0.0000	1.0000	31.27
75.5	15,299	127	0.0083	0.9917	31.27
76.5	15,172	2,400	0.1582	0.8418	31.01
77.5	12,772		0.0000	1.0000	26.11
78.5	12,772		0.0000	1.0000	26.11

## DUKE ENERGY PROGRESS

## ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1923-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	12,772		0.0000	1.0000	26.11
80.5	12,772		0.0000	1.0000	26.11
81.5	12,772		0.0000	1.0000	26.11
82.5	12,772		0.0000	1.0000	26.11
83.5	12,772		0.0000	1.0000	26.11
84.5	12,772		0.0000	1.0000	26.11
85.5	12,772		0.0000	1.0000	26.11
86.5	12,772		0.0000	1.0000	26.11
87.5	12,772		0.0000	1.0000	26.11
88.5	12,772		0.0000	1.0000	26.11
89.5					26.11
90.5	4,590		0.0000		
91.5	4,590		0.0000		
92.5	4,590	4,590	1.0000		
93.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	85,636,246	12,088	0.0001	0.9999	100.00
0.5	85,051,353	32,034	0.0004	0.9996	99.99
1.5	82,787,248	368,008	0.0044	0.9956	99.95
2.5	76,078,453	126,464	0.0017	0.9983	99.50
3.5	70,863,433	198,785	0.0028	0.9972	99.34
4.5	66,516,620	993,140	0.0149	0.9851	99.06
5.5	64,069,674	193,084	0.0030	0.9970	97.58
6.5	59,854,320	428,206	0.0072	0.9928	97.29
7.5	58,491,887	233,737	0.0040	0.9960	96.59
8.5	56,245,120	501,162	0.0089	0.9911	96.20
9.5	52,459,884	434,210	0.0083	0.9917	95.35
10.5	47,994,643	303,551	0.0063	0.9937	94.56
11.5	38,802,807	146,442	0.0038	0.9962	93.96
12.5	34,638,248	404,411	0.0117	0.9883	93.61
13.5	27,211,160	182,633	0.0067	0.9933	92.51
14.5	26,540,837	95,200	0.0036	0.9964	91.89
15.5	25,086,231	38,126	0.0015	0.9985	91.56
16.5	24,853,868	49,822	0.0020	0.9980	91.42
17.5	24,368,994	148,848	0.0061	0.9939	91.24
18.5	23,815,284	45,949	0.0019	0.9981	90.68
19.5	23,401,281	1,962,392	0.0839	0.9161	90.51
20.5	20,061,098	367,052	0.0183	0.9817	82.92
21.5	19,043,246	691,187	0.0363	0.9637	81.40
22.5	17,453,533	550,796	0.0316	0.9684	78.45
23.5	16,412,842	391,989	0.0239	0.9761	75.97
24.5	16,022,559	246,317	0.0154	0.9846	74.16
25.5	15,610,005	189,811	0.0122	0.9878	73.02
26.5	15,045,459	128,298	0.0085	0.9915	72.13
27.5	14,755,522	85,070	0.0058	0.9942	71.51
28.5	14,203,275	138,332	0.0097	0.9903	71.10
29.5	13,501,776	273,897	0.0203	0.9797	70.41
30.5	13,137,787	159,152	0.0121	0.9879	68.98
31.5	13,367,761	72,323	0.0054	0.9946	68.14
32.5	13,006,508	105,337	0.0081	0.9919	67.78
33.5	12,470,899	41,058	0.0033	0.9967	67.23
34.5	12,265,200	213,806	0.0174	0.9826	67.01
35.5	7,480,702	10,376	0.0014	0.9986	65.84
36.5	7,303,071	419,823	0.0575	0.9425	65.75
37.5	6,565,511	38,990	0.0059	0.9941	61.97
38.5	4,551,167	58,630	0.0129	0.9871	61.60

## DUKE ENERGY PROGRESS

## ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

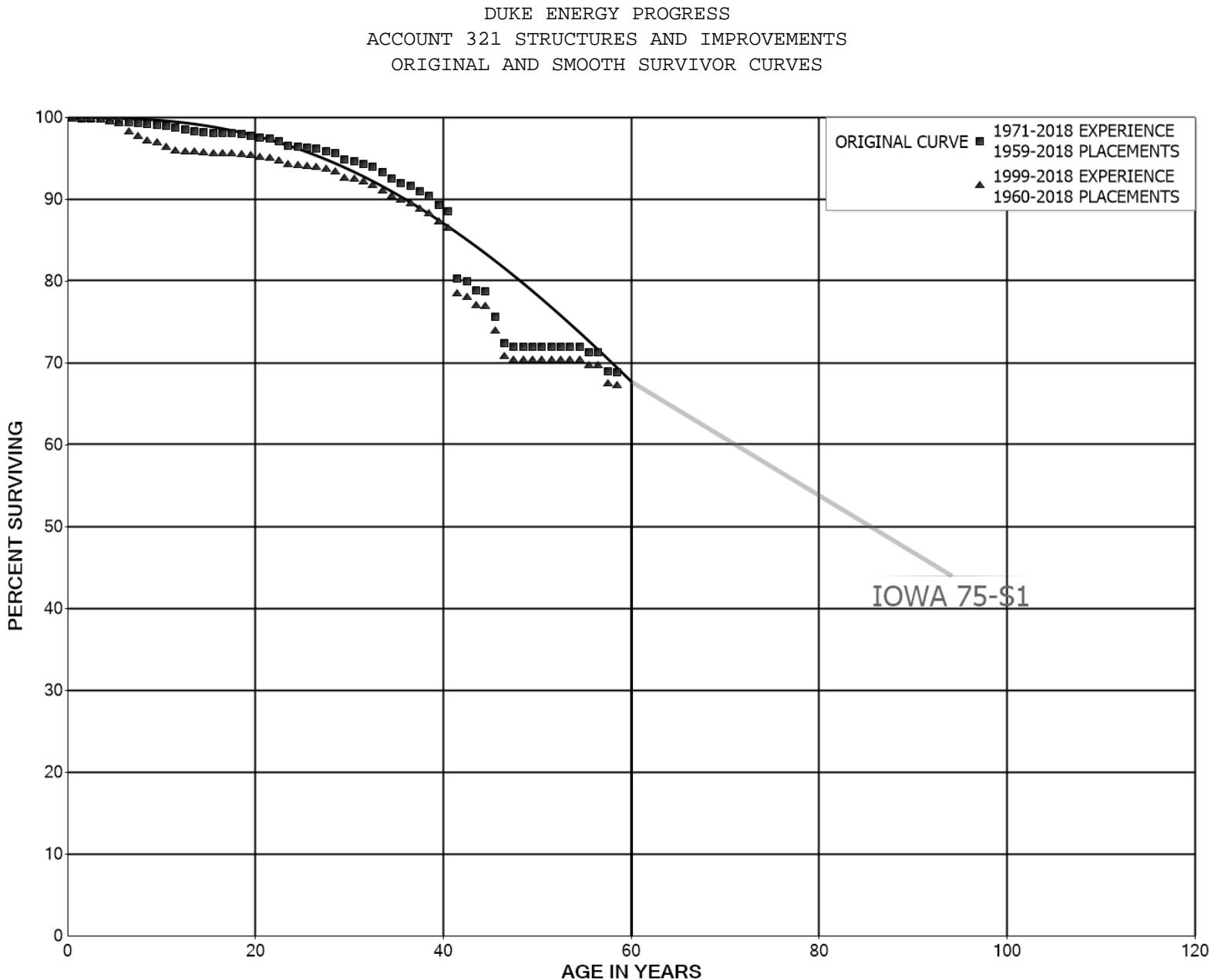
PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	4,168,214	10,627	0.0025	0.9975	60.81
40.5	4,096,083	101,094	0.0247	0.9753	60.65
41.5	3,826,278	53,393	0.0140	0.9860	59.15
42.5	3,715,710	89,201	0.0240	0.9760	58.33
43.5	3,547,114	15,085	0.0043	0.9957	56.93
44.5	3,529,801	26,072	0.0074	0.9926	56.69
45.5	2,652,318	1,386	0.0005	0.9995	56.27
46.5	2,642,639	2,183	0.0008	0.9992	56.24
47.5	2,502,382	806	0.0003	0.9997	56.19
48.5	2,493,511	30,880	0.0124	0.9876	56.17
49.5	2,460,805	685,022	0.2784	0.7216	55.48
50.5	1,584,997	7,347	0.0046	0.9954	40.03
51.5	1,572,553	233,337	0.1484	0.8516	39.85
52.5	1,309,729		0.0000	1.0000	33.94
53.5	1,044,857	14,573	0.0139	0.9861	33.94
54.5	1,026,745	75,712	0.0737	0.9263	33.46
55.5	949,666		0.0000	1.0000	30.99
56.5	814,617	102	0.0001	0.9999	30.99
57.5	813,593	33	0.0000	1.0000	30.99
58.5	764,908		0.0000	1.0000	30.99
59.5	443,290	282	0.0006	0.9994	30.99
60.5	326,667	708	0.0022	0.9978	30.97
61.5	157,872		0.0000	1.0000	30.90
62.5	15,436		0.0000	1.0000	30.90
63.5	15,436	37	0.0024	0.9976	30.90
64.5	15,399		0.0000	1.0000	30.83
65.5	15,399		0.0000	1.0000	30.83
66.5	15,399		0.0000	1.0000	30.83
67.5	15,399		0.0000	1.0000	30.83
68.5	15,399		0.0000	1.0000	30.83
69.5	15,399		0.0000	1.0000	30.83
70.5	15,399		0.0000	1.0000	30.83
71.5	15,399	100	0.0065	0.9935	30.83
72.5	15,299		0.0000	1.0000	30.63
73.5	15,299		0.0000	1.0000	30.63
74.5	15,299		0.0000	1.0000	30.63
75.5	15,299	127	0.0083	0.9917	30.63
76.5	15,172	2,400	0.1582	0.8418	30.37
77.5	12,772		0.0000	1.0000	25.57
78.5	12,772		0.0000	1.0000	25.57

## DUKE ENERGY PROGRESS

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	12,772		0.0000	1.0000	25.57
80.5	12,772		0.0000	1.0000	25.57
81.5	12,772		0.0000	1.0000	25.57
82.5	12,772		0.0000	1.0000	25.57
83.5	12,772		0.0000	1.0000	25.57
84.5	12,772		0.0000	1.0000	25.57
85.5	12,772		0.0000	1.0000	25.57
86.5	12,772		0.0000	1.0000	25.57
87.5	12,772		0.0000	1.0000	25.57
88.5	12,772		0.0000	1.0000	25.57
89.5					25.57
90.5	4,590		0.0000		
91.5	4,590		0.0000		
92.5	4,590	4,590	1.0000		
93.5					



## DUKE ENERGY PROGRESS

## ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1971-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	2,937,444,557	1,294,439	0.0004	0.9996	100.00
0.5	2,662,977,363	2,845,724	0.0011	0.9989	99.96
1.5	2,477,889,873	250,292	0.0001	0.9999	99.85
2.5	2,399,188,371	1,266,912	0.0005	0.9995	99.84
3.5	2,254,376,146	2,294,016	0.0010	0.9990	99.79
4.5	2,226,967,966	1,196,874	0.0005	0.9995	99.68
5.5	2,180,732,734	4,141,614	0.0019	0.9981	99.63
6.5	2,113,740,653	2,560,600	0.0012	0.9988	99.44
7.5	2,040,169,742	3,574,416	0.0018	0.9982	99.32
8.5	1,973,246,818	1,011,575	0.0005	0.9995	99.15
9.5	1,953,405,826	2,453,513	0.0013	0.9987	99.10
10.5	1,931,673,988	5,366,550	0.0028	0.9972	98.97
11.5	1,917,023,063	4,747,183	0.0025	0.9975	98.70
12.5	1,890,763,254	2,343,408	0.0012	0.9988	98.45
13.5	1,873,218,696	3,259,937	0.0017	0.9983	98.33
14.5	1,866,853,086	1,434,440	0.0008	0.9992	98.16
15.5	1,859,898,970	391,745	0.0002	0.9998	98.08
16.5	1,851,362,672	924,179	0.0005	0.9995	98.06
17.5	1,849,730,141	1,138,001	0.0006	0.9994	98.01
18.5	1,840,223,659	4,217,908	0.0023	0.9977	97.95
19.5	1,831,643,121	3,879,611	0.0021	0.9979	97.73
20.5	1,827,951,020	2,768,539	0.0015	0.9985	97.52
21.5	1,819,293,590	5,081,741	0.0028	0.9972	97.38
22.5	1,791,639,979	10,181,607	0.0057	0.9943	97.10
23.5	1,753,014,973	3,663,151	0.0021	0.9979	96.55
24.5	1,717,035,356	1,920,751	0.0011	0.9989	96.35
25.5	1,705,772,196	1,944,627	0.0011	0.9989	96.24
26.5	1,669,609,889	4,382,367	0.0026	0.9974	96.13
27.5	1,970,259,139	5,190,928	0.0026	0.9974	95.88
28.5	1,954,681,217	16,792,121	0.0086	0.9914	95.63
29.5	1,892,219,020	3,402,688	0.0018	0.9982	94.81
30.5	1,838,336,163	6,706,516	0.0036	0.9964	94.64
31.5	336,054,484	1,352,269	0.0040	0.9960	94.29
32.5	300,291,900	2,135,882	0.0071	0.9929	93.91
33.5	291,059,161	2,422,740	0.0083	0.9917	93.24
34.5	265,602,134	1,349,824	0.0051	0.9949	92.47
35.5	233,172,301	993,910	0.0043	0.9957	92.00
36.5	230,318,958	1,774,912	0.0077	0.9923	91.60
37.5	228,464,232	1,289,639	0.0056	0.9944	90.90
38.5	212,342,798	2,594,822	0.0122	0.9878	90.39

## DUKE ENERGY PROGRESS

## ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	210,669,298	1,826,109	0.0087	0.9913	89.28
40.5	205,945,569	19,051,897	0.0925	0.9075	88.51
41.5	129,497,071	666,409	0.0051	0.9949	80.32
42.5	125,492,175	1,668,385	0.0133	0.9867	79.91
43.5	18,643,582	38,920	0.0021	0.9979	78.84
44.5	18,538,285	718,787	0.0388	0.9612	78.68
45.5	17,800,074	751,953	0.0422	0.9578	75.63
46.5	16,787,293	99,789	0.0059	0.9941	72.43
47.5	2,734		0.0000	1.0000	72.00
48.5	2,797		0.0000	1.0000	72.00
49.5	2,612		0.0000	1.0000	72.00
50.5	3,606		0.0000	1.0000	72.00
51.5	1,999		0.0000	1.0000	72.00
52.5	3,584,946		0.0000	1.0000	72.00
53.5	4,925,264		0.0000	1.0000	72.00
54.5	4,925,264	46,627	0.0095	0.9905	72.00
55.5	4,877,208	2,485	0.0005	0.9995	71.32
56.5	4,874,724	155,707	0.0319	0.9681	71.28
57.5	4,719,016	9,161	0.0019	0.9981	69.01
58.5					68.87

## DUKE ENERGY PROGRESS

## ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

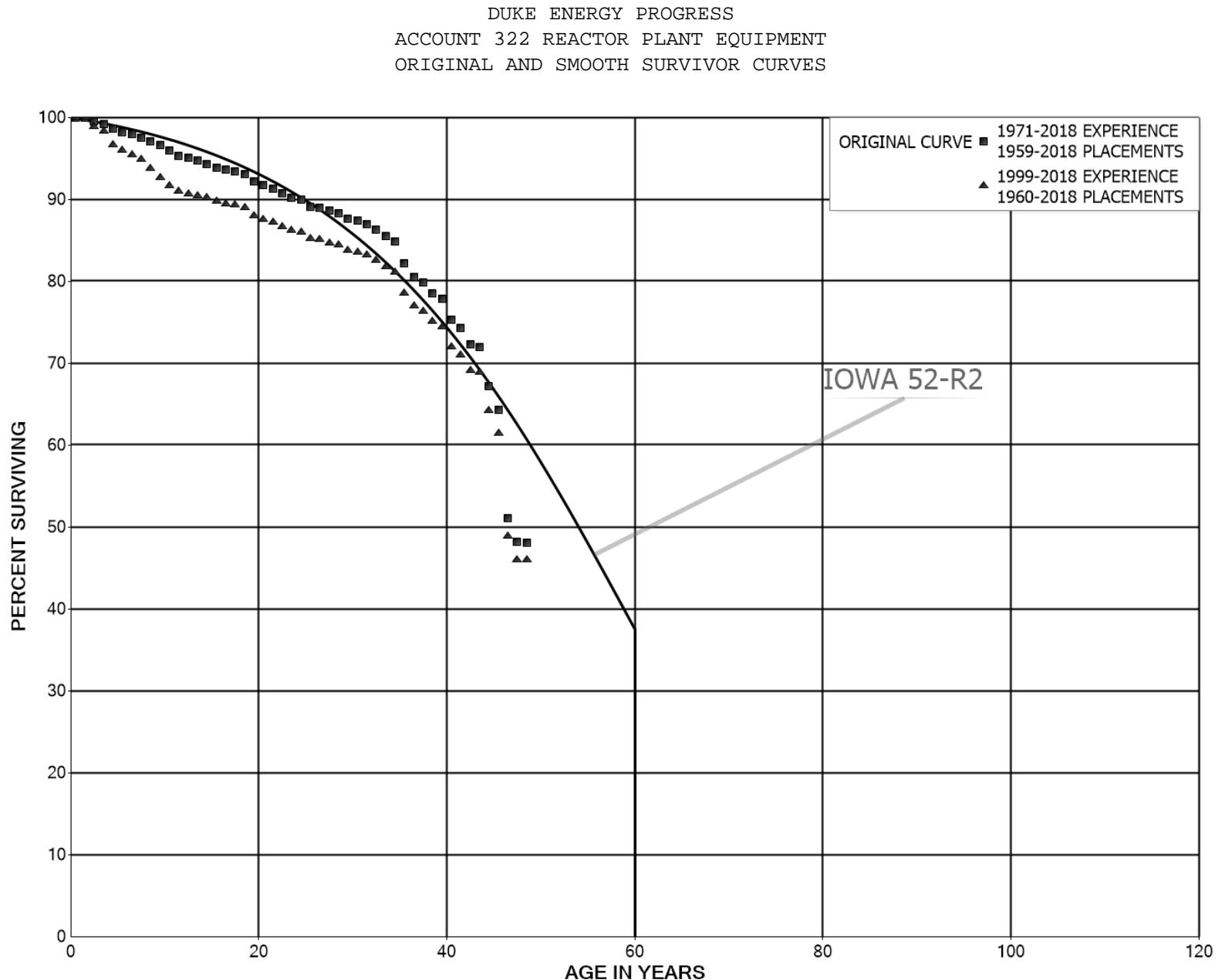
PLACEMENT BAND 1960-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	EXPERIENCE BAND 1999-2018
0.0	949,636,283	0	0.0000	1.0000	100.00	
0.5	736,814,309	1,910,398	0.0026	0.9974	100.00	
1.5	609,925,043	200,504	0.0003	0.9997	99.74	
2.5	560,069,423	317,471	0.0006	0.9994	99.71	
3.5	437,128,642	1,339,088	0.0031	0.9969	99.65	
4.5	441,162,141	750,742	0.0017	0.9983	99.35	
5.5	422,418,006	4,105,387	0.0097	0.9903	99.18	
6.5	391,191,719	2,208,128	0.0056	0.9944	98.21	
7.5	371,546,989	2,258,305	0.0061	0.9939	97.66	
8.5	317,616,381	623,037	0.0020	0.9980	97.07	
9.5	343,758,321	1,981,850	0.0058	0.9942	96.87	
10.5	369,473,239	1,710,106	0.0046	0.9954	96.32	
11.5	1,543,384,649	2,481,865	0.0016	0.9984	95.87	
12.5	1,574,343,592	337,101	0.0002	0.9998	95.72	
13.5	1,568,256,887	1,562,570	0.0010	0.9990	95.70	
14.5	1,592,773,075	1,331,389	0.0008	0.9992	95.60	
15.5	1,616,505,502	189,702	0.0001	0.9999	95.52	
16.5	1,610,253,100	781,613	0.0005	0.9995	95.51	
17.5	1,619,132,555	963,720	0.0006	0.9994	95.46	
18.5	1,625,599,942	1,680,000	0.0010	0.9990	95.41	
19.5	1,639,846,793	3,836,728	0.0023	0.9977	95.31	
20.5	1,639,109,845	2,767,334	0.0017	0.9983	95.08	
21.5	1,685,471,729	5,065,875	0.0030	0.9970	94.92	
22.5	1,661,425,605	7,862,994	0.0047	0.9953	94.64	
23.5	1,732,092,056	3,056,495	0.0018	0.9982	94.19	
24.5	1,696,753,428	1,920,751	0.0011	0.9989	94.02	
25.5	1,685,498,573	1,935,240	0.0011	0.9989	93.92	
26.5	1,650,373,822	4,208,278	0.0025	0.9975	93.81	
27.5	1,970,259,139	5,190,928	0.0026	0.9974	93.57	
28.5	1,954,681,217	16,792,121	0.0086	0.9914	93.32	
29.5	1,892,219,020	3,402,688	0.0018	0.9982	92.52	
30.5	1,838,336,163	6,706,516	0.0036	0.9964	92.36	
31.5	336,054,484	1,352,269	0.0040	0.9960	92.02	
32.5	300,291,900	2,135,882	0.0071	0.9929	91.65	
33.5	291,059,161	2,422,740	0.0083	0.9917	91.00	
34.5	265,602,134	1,349,824	0.0051	0.9949	90.24	
35.5	233,172,301	993,910	0.0043	0.9957	89.78	
36.5	230,318,958	1,774,912	0.0077	0.9923	89.40	
37.5	228,464,232	1,289,639	0.0056	0.9944	88.71	
38.5	212,342,798	2,594,822	0.0122	0.9878	88.21	

## DUKE ENERGY PROGRESS

## ACCOUNT 321 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	210,669,298	1,826,109	0.0087	0.9913	87.13
40.5	205,945,569	19,051,897	0.0925	0.9075	86.38
41.5	129,497,071	666,409	0.0051	0.9949	78.39
42.5	125,492,175	1,668,385	0.0133	0.9867	77.98
43.5	18,643,582	38,920	0.0021	0.9979	76.95
44.5	18,538,285	718,787	0.0388	0.9612	76.78
45.5	17,800,074	751,953	0.0422	0.9578	73.81
46.5	16,787,293	99,789	0.0059	0.9941	70.69
47.5	2,734		0.0000	1.0000	70.27
48.5	2,797		0.0000	1.0000	70.27
49.5	2,612		0.0000	1.0000	70.27
50.5	3,606		0.0000	1.0000	70.27
51.5	1,999		0.0000	1.0000	70.27
52.5	3,584,946		0.0000	1.0000	70.27
53.5	4,925,264		0.0000	1.0000	70.27
54.5	4,925,264	46,627	0.0095	0.9905	70.27
55.5	4,877,208	2,485	0.0005	0.9995	69.60
56.5	4,874,724	155,707	0.0319	0.9681	69.57
57.5	4,719,016	9,161	0.0019	0.9981	67.35
58.5					67.22



## DUKE ENERGY PROGRESS

## ACCOUNT 322 REACTOR PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1971-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	2,802,857,132	492,368	0.0002	0.9998	100.00
0.5	2,538,715,236	822,193	0.0003	0.9997	99.98
1.5	2,443,226,738	10,592,067	0.0043	0.9957	99.95
2.5	2,366,005,507	8,057,456	0.0034	0.9966	99.52
3.5	2,218,513,560	13,465,485	0.0061	0.9939	99.18
4.5	2,177,667,588	8,577,533	0.0039	0.9961	98.58
5.5	2,049,179,093	4,745,452	0.0023	0.9977	98.19
6.5	1,946,019,539	8,345,298	0.0043	0.9957	97.96
7.5	1,888,716,714	8,355,693	0.0044	0.9956	97.54
8.5	1,799,180,599	8,354,070	0.0046	0.9954	97.11
9.5	1,768,474,606	13,458,061	0.0076	0.9924	96.66
10.5	1,742,678,265	12,539,615	0.0072	0.9928	95.92
11.5	1,705,686,759	3,793,913	0.0022	0.9978	95.23
12.5	1,696,378,055	5,058,245	0.0030	0.9970	95.02
13.5	1,638,710,646	8,689,384	0.0053	0.9947	94.74
14.5	1,611,605,532	6,949,772	0.0043	0.9957	94.23
15.5	1,584,112,272	4,331,338	0.0027	0.9973	93.83
16.5	1,561,949,571	2,373,896	0.0015	0.9985	93.57
17.5	1,377,281,727	5,595,722	0.0041	0.9959	93.43
18.5	1,364,629,414	12,518,935	0.0092	0.9908	93.05
19.5	1,350,453,525	7,095,230	0.0053	0.9947	92.20
20.5	1,350,815,463	6,864,098	0.0051	0.9949	91.71
21.5	1,304,941,697	7,970,169	0.0061	0.9939	91.25
22.5	1,282,777,983	7,630,579	0.0059	0.9941	90.69
23.5	1,256,996,965	2,922,787	0.0023	0.9977	90.15
24.5	1,174,459,221	10,834,573	0.0092	0.9908	89.94
25.5	1,161,853,405	1,785,191	0.0015	0.9985	89.11
26.5	1,146,170,607	4,850,135	0.0042	0.9958	88.97
27.5	1,255,493,402	4,445,004	0.0035	0.9965	88.60
28.5	1,232,339,247	8,999,585	0.0073	0.9927	88.28
29.5	1,199,305,248	3,096,531	0.0026	0.9974	87.64
30.5	1,168,066,322	5,381,539	0.0046	0.9954	87.41
31.5	531,136,380	4,232,723	0.0080	0.9920	87.01
32.5	518,888,764	4,595,245	0.0089	0.9911	86.32
33.5	458,769,448	3,854,658	0.0084	0.9916	85.55
34.5	277,935,683	8,882,348	0.0320	0.9680	84.83
35.5	235,775,008	4,634,409	0.0197	0.9803	82.12
36.5	228,255,776	1,933,352	0.0085	0.9915	80.51
37.5	242,274,485	3,875,267	0.0160	0.9840	79.82
38.5	232,144,756	2,039,620	0.0088	0.9912	78.55

## DUKE ENERGY PROGRESS

## ACCOUNT 322 REACTOR PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	234,873,225	7,599,317	0.0324	0.9676	77.86
40.5	222,420,042	3,245,010	0.0146	0.9854	75.34
41.5	108,946,175	2,920,688	0.0268	0.9732	74.24
42.5	102,996,525	376,415	0.0037	0.9963	72.25
43.5	11,649,636	784,360	0.0673	0.9327	71.99
44.5	10,512,914	446,312	0.0425	0.9575	67.14
45.5	10,066,602	2,068,012	0.2054	0.7946	64.29
46.5	7,444,730	428,756	0.0576	0.9424	51.08
47.5	4,667	4	0.0009	0.9991	48.14
48.5					48.10
49.5					
50.5					
51.5					
52.5	58,520		0.0000		
53.5	65,078		0.0000		
54.5	65,078		0.0000		
55.5	65,078		0.0000		
56.5	65,078	58,520	0.8992		
57.5	6,558	8	0.0012		
58.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 322 REACTOR PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1960-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1999-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,162,042,019	492,368	0.0004	0.9996	100.00
0.5	996,546,687	494,515	0.0005	0.9995	99.96
1.5	952,460,793	10,212,015	0.0107	0.9893	99.91
2.5	893,567,787	5,248,330	0.0059	0.9941	98.84
3.5	781,262,848	12,869,522	0.0165	0.9835	98.26
4.5	821,669,525	5,778,892	0.0070	0.9930	96.64
5.5	726,196,584	3,876,008	0.0053	0.9947	95.96
6.5	668,041,995	4,543,537	0.0068	0.9932	95.45
7.5	665,012,170	7,756,517	0.0117	0.9883	94.80
8.5	607,182,473	6,935,807	0.0114	0.9886	93.69
9.5	613,351,759	6,906,906	0.0113	0.9887	92.62
10.5	628,467,568	4,414,579	0.0070	0.9930	91.58
11.5	1,162,691,008	3,639,160	0.0031	0.9969	90.93
12.5	1,163,157,743	2,771,065	0.0024	0.9976	90.65
13.5	1,157,793,657	3,300,142	0.0029	0.9971	90.43
14.5	1,307,230,068	6,886,814	0.0053	0.9947	90.18
15.5	1,312,562,944	3,803,351	0.0029	0.9971	89.70
16.5	1,295,056,359	1,975,559	0.0015	0.9985	89.44
17.5	1,116,019,320	4,018,359	0.0036	0.9964	89.30
18.5	1,112,703,173	12,486,765	0.0112	0.9888	88.98
19.5	1,108,418,333	5,486,272	0.0049	0.9951	87.98
20.5	1,115,172,399	4,688,355	0.0042	0.9958	87.55
21.5	1,184,739,276	7,970,169	0.0067	0.9933	87.18
22.5	1,165,413,790	5,926,225	0.0051	0.9949	86.59
23.5	1,239,038,774	2,666,514	0.0022	0.9978	86.15
24.5	1,157,188,293	10,834,573	0.0094	0.9906	85.97
25.5	1,144,637,019	1,785,191	0.0016	0.9984	85.16
26.5	1,130,240,280	4,850,135	0.0043	0.9957	85.03
27.5	1,255,400,227	4,445,004	0.0035	0.9965	84.67
28.5	1,232,246,072	8,999,585	0.0073	0.9927	84.37
29.5	1,199,305,248	3,096,531	0.0026	0.9974	83.75
30.5	1,168,066,322	5,381,539	0.0046	0.9954	83.53
31.5	531,136,380	4,232,723	0.0080	0.9920	83.15
32.5	518,888,764	4,595,245	0.0089	0.9911	82.49
33.5	458,769,448	3,854,658	0.0084	0.9916	81.76
34.5	277,935,683	8,882,348	0.0320	0.9680	81.07
35.5	235,775,008	4,634,409	0.0197	0.9803	78.48
36.5	228,255,776	1,933,352	0.0085	0.9915	76.94
37.5	242,274,485	3,875,267	0.0160	0.9840	76.28
38.5	232,144,756	2,039,620	0.0088	0.9912	75.06

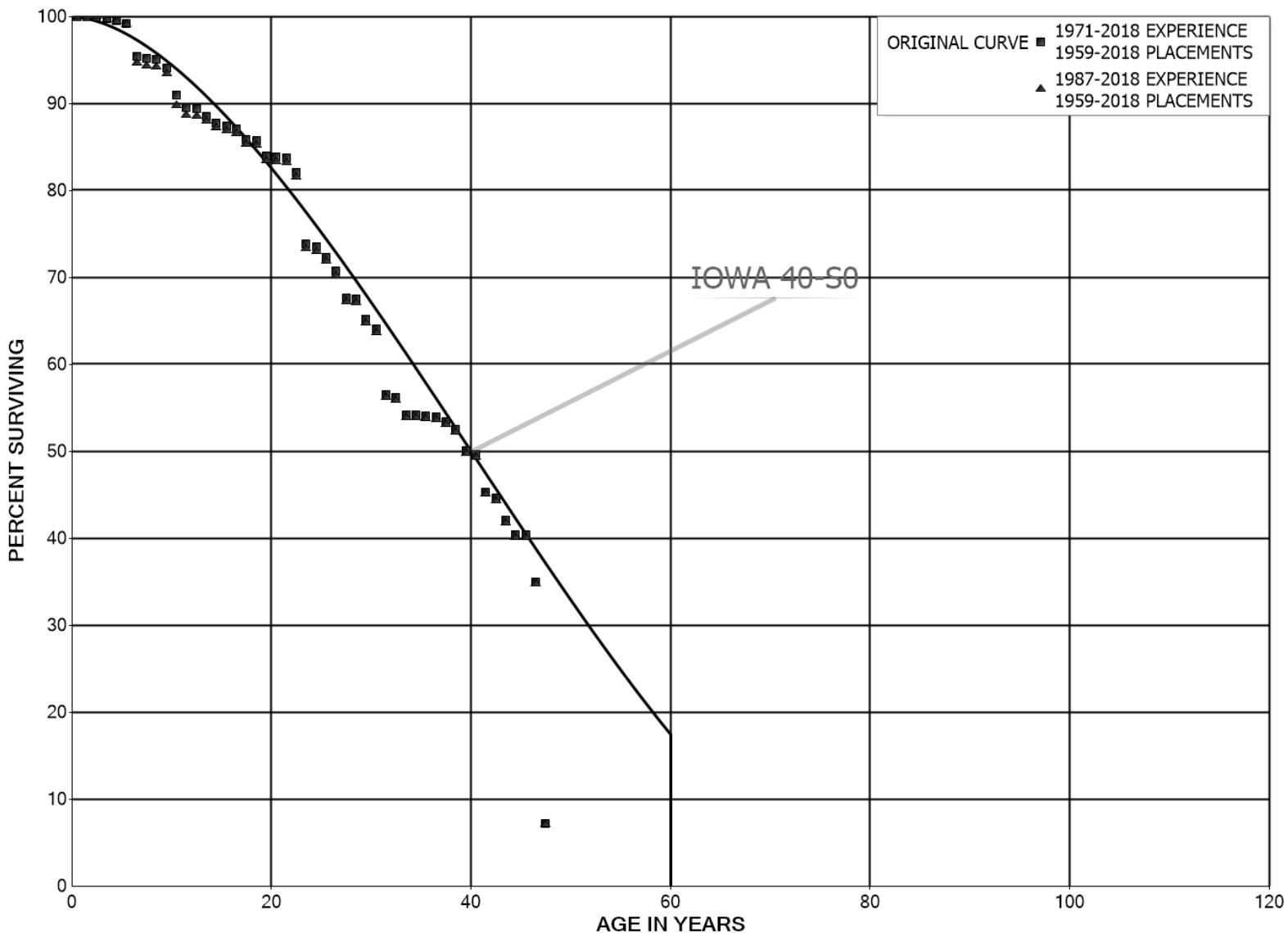
## DUKE ENERGY PROGRESS

## ACCOUNT 322 REACTOR PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	234,873,225	7,599,317	0.0324	0.9676	74.40
40.5	222,420,042	3,245,010	0.0146	0.9854	72.00
41.5	108,946,175	2,920,688	0.0268	0.9732	70.95
42.5	102,996,525	376,415	0.0037	0.9963	69.04
43.5	11,649,636	784,360	0.0673	0.9327	68.79
44.5	10,512,914	446,312	0.0425	0.9575	64.16
45.5	10,066,602	2,068,012	0.2054	0.7946	61.44
46.5	7,444,730	428,756	0.0576	0.9424	48.82
47.5	4,667	4	0.0009	0.9991	46.00
48.5					45.96
49.5					
50.5					
51.5					
52.5	58,520		0.0000		
53.5	65,078		0.0000		
54.5	65,078		0.0000		
55.5	65,078		0.0000		
56.5	65,078	58,520	0.8992		
57.5	6,558	8	0.0012		
58.5					

DUKE ENERGY PROGRESS  
ACCOUNT 323 TURBOGENERATOR UNITS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 323 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,465,506,031		0.0000	1.0000	100.00
0.5	1,122,222,099	172,635	0.0002	0.9998	100.00
1.5	1,000,214,464	260,168	0.0003	0.9997	99.98
2.5	944,935,394	2,532,606	0.0027	0.9973	99.96
3.5	910,956,143	1,750,614	0.0019	0.9981	99.69
4.5	889,101,696	2,853,754	0.0032	0.9968	99.50
5.5	856,016,438	32,370,994	0.0378	0.9622	99.18
6.5	704,380,537	2,029,307	0.0029	0.9971	95.43
7.5	700,070,711	378,322	0.0005	0.9995	95.15
8.5	596,082,097	6,169,099	0.0103	0.9897	95.10
9.5	586,810,533	20,106,235	0.0343	0.9657	94.12
10.5	550,493,369	8,385,295	0.0152	0.9848	90.89
11.5	538,177,735	707,910	0.0013	0.9987	89.51
12.5	539,166,396	5,664,654	0.0105	0.9895	89.39
13.5	521,160,637	4,004,481	0.0077	0.9923	88.45
14.5	502,829,419	2,297,077	0.0046	0.9954	87.77
15.5	487,565,700	1,686,056	0.0035	0.9965	87.37
16.5	460,052,047	6,300,133	0.0137	0.9863	87.07
17.5	430,174,686	799,687	0.0019	0.9981	85.88
18.5	423,399,633	8,851,704	0.0209	0.9791	85.72
19.5	421,671,024	286,683	0.0007	0.9993	83.93
20.5	423,115,254	890,195	0.0021	0.9979	83.87
21.5	419,809,346	8,269,510	0.0197	0.9803	83.69
22.5	398,946,582	39,918,729	0.1001	0.8999	82.04
23.5	332,067,354	1,593,849	0.0048	0.9952	73.83
24.5	320,185,164	5,250,066	0.0164	0.9836	73.48
25.5	314,350,800	6,838,181	0.0218	0.9782	72.27
26.5	304,218,741	13,303,263	0.0437	0.9563	70.70
27.5	326,410,936	665,456	0.0020	0.9980	67.61
28.5	325,943,335	11,044,845	0.0339	0.9661	67.47
29.5	309,535,155	5,549,693	0.0179	0.9821	65.19
30.5	301,321,832	35,312,169	0.1172	0.8828	64.02
31.5	125,973,445	696,729	0.0055	0.9945	56.52
32.5	119,312,377	4,204,753	0.0352	0.9648	56.20
33.5	115,931,710	56,932	0.0005	0.9995	54.22
34.5	97,608,099	174,536	0.0018	0.9982	54.20
35.5	80,146,180	148,037	0.0018	0.9982	54.10
36.5	72,498,718	825,631	0.0114	0.9886	54.00
37.5	70,645,410	1,127,546	0.0160	0.9840	53.38
38.5	68,582,811	3,240,862	0.0473	0.9527	52.53

## DUKE ENERGY PROGRESS

## ACCOUNT 323 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,873,242	509,200	0.0076	0.9924	50.05
40.5	65,108,538	5,678,038	0.0872	0.9128	49.67
41.5	37,066,934	590,352	0.0159	0.9841	45.34
42.5	36,476,369	2,091,497	0.0573	0.9427	44.61
43.5	11,642,760	468,780	0.0403	0.9597	42.06
44.5	10,961,013		0.0000	1.0000	40.36
45.5	10,961,013	1,460,675	0.1333	0.8667	40.36
46.5	8,450,812	6,727,728	0.7961	0.2039	34.98
47.5					7.13
48.5					
49.5					
50.5					
51.5					
52.5					
53.5	146,163		0.0000		
54.5	146,163		0.0000		
55.5	146,163		0.0000		
56.5	146,163		0.0000		
57.5	146,163		0.0000		
58.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 323 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,269,792,970		0.0000	1.0000	100.00
0.5	932,050,837	172,635	0.0002	0.9998	100.00
1.5	813,867,917	260,168	0.0003	0.9997	99.98
2.5	778,753,293	2,532,600	0.0033	0.9967	99.95
3.5	758,796,373	1,750,614	0.0023	0.9977	99.62
4.5	741,486,862	2,787,758	0.0038	0.9962	99.39
5.5	722,238,107	32,317,234	0.0447	0.9553	99.02
6.5	575,932,531	1,998,694	0.0035	0.9965	94.59
7.5	572,666,257	356,340	0.0006	0.9994	94.26
8.5	481,352,638	4,103,627	0.0085	0.9915	94.20
9.5	515,555,891	20,083,344	0.0390	0.9610	93.40
10.5	479,276,521	6,269,832	0.0131	0.9869	89.76
11.5	512,860,357	588,520	0.0011	0.9989	88.59
12.5	514,472,678	3,387,329	0.0066	0.9934	88.49
13.5	498,744,244	4,004,481	0.0080	0.9920	87.90
14.5	481,512,345	2,297,077	0.0048	0.9952	87.20
15.5	487,565,700	1,686,056	0.0035	0.9965	86.78
16.5	460,052,047	6,300,133	0.0137	0.9863	86.48
17.5	430,174,686	799,687	0.0019	0.9981	85.30
18.5	423,399,633	8,851,704	0.0209	0.9791	85.14
19.5	421,671,024	286,683	0.0007	0.9993	83.36
20.5	423,115,254	890,195	0.0021	0.9979	83.30
21.5	419,809,346	8,269,510	0.0197	0.9803	83.13
22.5	398,946,582	39,918,729	0.1001	0.8999	81.49
23.5	332,067,354	1,593,849	0.0048	0.9952	73.34
24.5	320,185,164	5,250,066	0.0164	0.9836	72.98
25.5	314,350,800	6,838,181	0.0218	0.9782	71.79
26.5	304,218,741	13,303,263	0.0437	0.9563	70.23
27.5	326,410,936	665,456	0.0020	0.9980	67.15
28.5	325,943,335	11,044,845	0.0339	0.9661	67.02
29.5	309,535,155	5,549,693	0.0179	0.9821	64.75
30.5	301,321,832	35,312,169	0.1172	0.8828	63.59
31.5	125,973,445	696,729	0.0055	0.9945	56.13
32.5	119,312,377	4,204,753	0.0352	0.9648	55.82
33.5	115,931,710	56,932	0.0005	0.9995	53.86
34.5	97,608,099	174,536	0.0018	0.9982	53.83
35.5	80,146,180	148,037	0.0018	0.9982	53.73
36.5	72,498,718	825,631	0.0114	0.9886	53.63
37.5	70,645,410	1,127,546	0.0160	0.9840	53.02
38.5	68,582,811	3,240,862	0.0473	0.9527	52.18

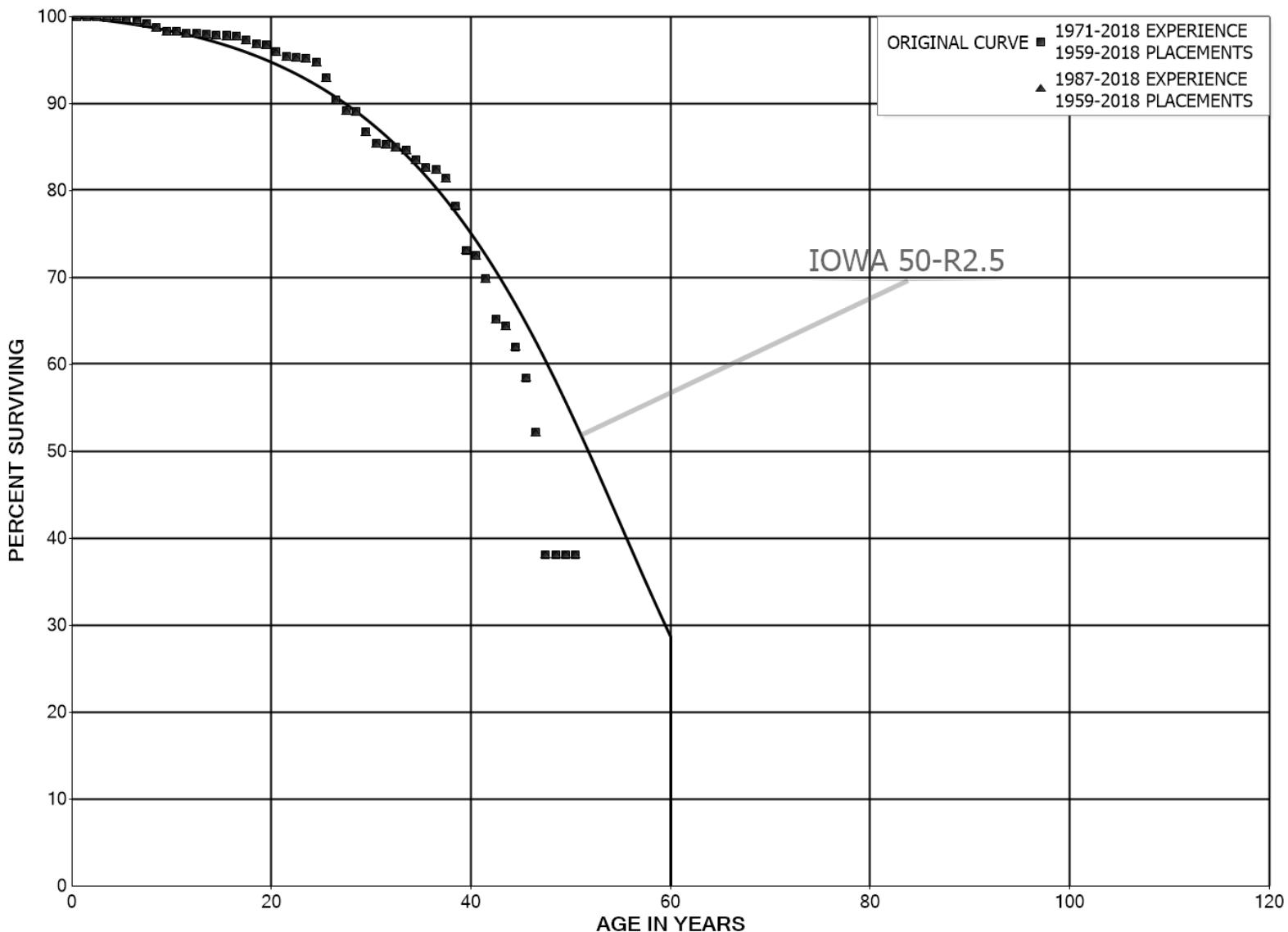
## DUKE ENERGY PROGRESS

## ACCOUNT 323 TURBOGENERATOR UNITS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018		EXPERIENCE BAND 1987-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,873,242	509,200	0.0076	0.9924	49.71
40.5	65,108,538	5,678,038	0.0872	0.9128	49.33
41.5	37,066,934	590,352	0.0159	0.9841	45.03
42.5	36,476,369	2,091,497	0.0573	0.9427	44.31
43.5	11,642,760	468,780	0.0403	0.9597	41.77
44.5	10,961,013		0.0000	1.0000	40.09
45.5	10,961,013	1,460,675	0.1333	0.8667	40.09
46.5	8,450,812	6,727,728	0.7961	0.2039	34.75
47.5					7.08
48.5					
49.5					
50.5					
51.5					
52.5					
53.5	146,163		0.0000		
54.5	146,163		0.0000		
55.5	146,163		0.0000		
56.5	146,163		0.0000		
57.5	146,163		0.0000		
58.5					

DUKE ENERGY PROGRESS  
ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1971-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,639,788,051	27,406	0.0000	1.0000	100.00
0.5	1,192,017,390	736,317	0.0006	0.9994	100.00
1.5	1,150,473,821	311,313	0.0003	0.9997	99.94
2.5	1,096,817,373	315,255	0.0003	0.9997	99.91
3.5	971,015,542	493,671	0.0005	0.9995	99.88
4.5	885,912,061	2,129,177	0.0024	0.9976	99.83
5.5	822,115,594	1,246,250	0.0015	0.9985	99.59
6.5	783,412,800	2,104,650	0.0027	0.9973	99.44
7.5	769,900,373	3,815,611	0.0050	0.9950	99.17
8.5	693,764,450	2,601,162	0.0037	0.9963	98.68
9.5	690,311,017	506,532	0.0007	0.9993	98.31
10.5	686,588,428	1,439,545	0.0021	0.9979	98.24
11.5	681,351,493	102,833	0.0002	0.9998	98.03
12.5	679,499,538	497,805	0.0007	0.9993	98.02
13.5	673,365,458	468,084	0.0007	0.9993	97.95
14.5	671,598,350	617,337	0.0009	0.9991	97.88
15.5	670,507,399	400,858	0.0006	0.9994	97.79
16.5	668,166,179	2,880,780	0.0043	0.9957	97.73
17.5	663,295,174	2,931,373	0.0044	0.9956	97.31
18.5	658,563,233	1,205,111	0.0018	0.9982	96.88
19.5	657,585,506	4,711,286	0.0072	0.9928	96.70
20.5	658,292,102	4,439,565	0.0067	0.9933	96.01
21.5	651,111,597	238,657	0.0004	0.9996	95.36
22.5	649,945,681	1,329,211	0.0020	0.9980	95.33
23.5	643,372,331	2,892,386	0.0045	0.9955	95.13
24.5	605,561,228	11,377,877	0.0188	0.9812	94.70
25.5	593,468,478	16,190,089	0.0273	0.9727	92.92
26.5	576,615,937	7,763,497	0.0135	0.9865	90.39
27.5	686,390,052	1,107,307	0.0016	0.9984	89.17
28.5	683,718,743	17,619,165	0.0258	0.9742	89.03
29.5	659,844,732	9,991,461	0.0151	0.9849	86.73
30.5	639,260,724	1,264,001	0.0020	0.9980	85.42
31.5	109,228,037	353,858	0.0032	0.9968	85.25
32.5	93,924,232	431,286	0.0046	0.9954	84.97
33.5	92,941,644	1,154,098	0.0124	0.9876	84.58
34.5	84,765,461	982,415	0.0116	0.9884	83.53
35.5	83,900,029	171,181	0.0020	0.9980	82.57
36.5	83,537,198	1,039,497	0.0124	0.9876	82.40
37.5	88,031,263	3,426,879	0.0389	0.9611	81.37
38.5	82,790,322	5,418,344	0.0654	0.9346	78.20

## DUKE ENERGY PROGRESS

## ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	81,953,659	642,177	0.0078	0.9922	73.09
40.5	80,838,200	3,044,487	0.0377	0.9623	72.51
41.5	53,281,314	3,528,628	0.0662	0.9338	69.78
42.5	49,620,728	612,324	0.0123	0.9877	65.16
43.5	7,157,799	264,548	0.0370	0.9630	64.36
44.5	6,707,304	389,529	0.0581	0.9419	61.98
45.5	6,318,902	676,892	0.1071	0.8929	58.38
46.5	5,642,011	1,523,271	0.2700	0.7300	52.13
47.5	1,127		0.0000	1.0000	38.05
48.5	1,127		0.0000	1.0000	38.05
49.5	1,127	1	0.0005	0.9995	38.05
50.5					38.04
51.5	213		0.0000		
52.5	213		0.0000		
53.5	50,660		0.0000		
54.5	50,660		0.0000		
55.5	50,660	0	0.0000		
56.5	50,447		0.0000		
57.5	50,447	28	0.0006		
58.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

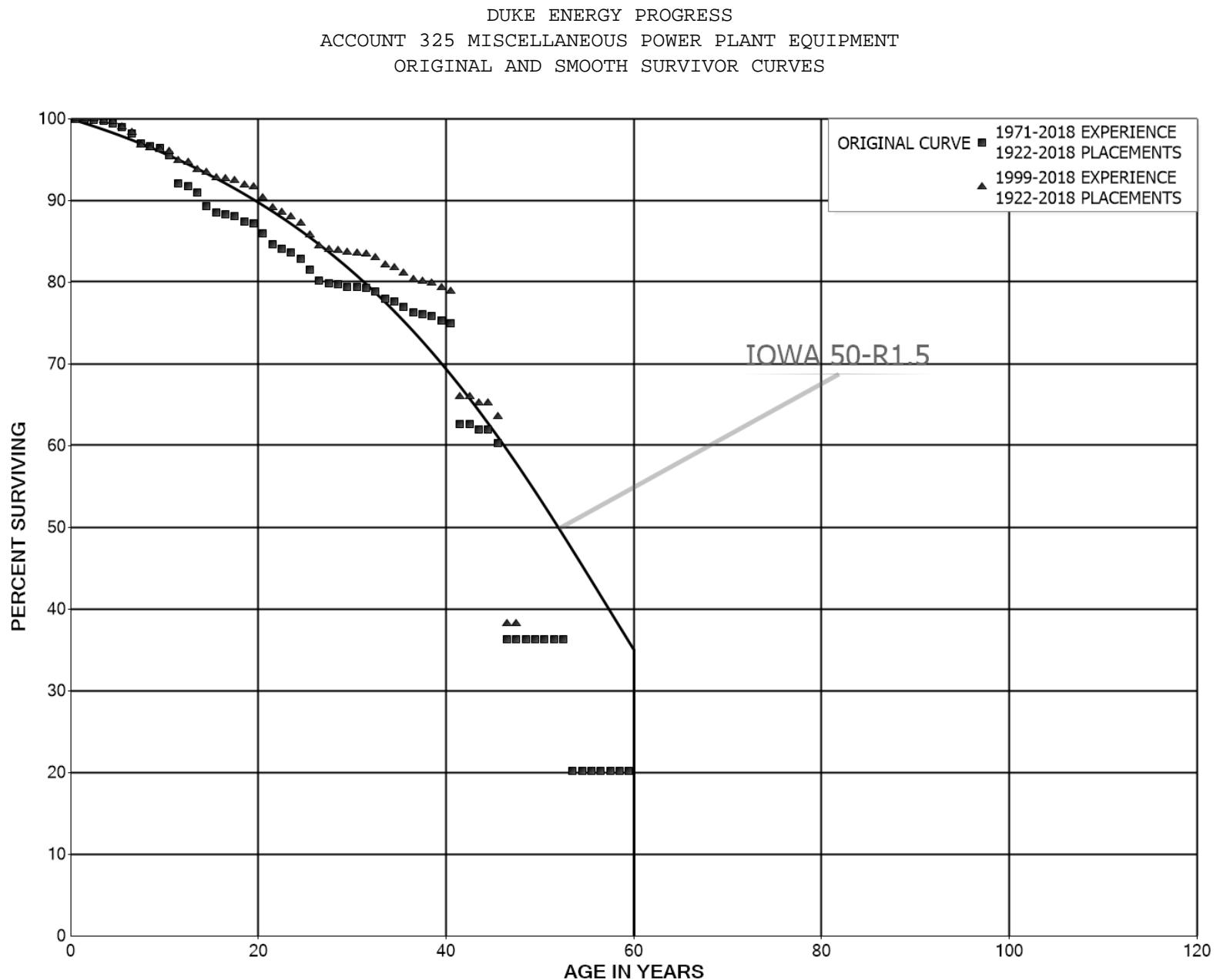
PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1987-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,512,786,748	27,406	0.0000	1.0000	100.00
0.5	1,083,888,070	736,317	0.0007	0.9993	100.00
1.5	1,043,383,483	296,577	0.0003	0.9997	99.93
2.5	997,035,878	315,255	0.0003	0.9997	99.90
3.5	871,295,168	493,671	0.0006	0.9994	99.87
4.5	786,294,533	2,129,177	0.0027	0.9973	99.81
5.5	724,284,583	1,246,250	0.0017	0.9983	99.54
6.5	687,855,143	2,104,650	0.0031	0.9969	99.37
7.5	683,682,181	3,815,611	0.0056	0.9944	99.07
8.5	609,807,208	2,593,162	0.0043	0.9957	98.52
9.5	639,133,549	506,532	0.0008	0.9992	98.10
10.5	635,908,429	1,439,545	0.0023	0.9977	98.02
11.5	672,766,257	102,833	0.0002	0.9998	97.80
12.5	671,106,867	497,805	0.0007	0.9993	97.78
13.5	664,976,109	468,084	0.0007	0.9993	97.71
14.5	663,637,669	617,337	0.0009	0.9991	97.64
15.5	670,488,545	400,858	0.0006	0.9994	97.55
16.5	668,147,325	2,880,780	0.0043	0.9957	97.49
17.5	663,276,321	2,931,373	0.0044	0.9956	97.07
18.5	658,544,380	1,205,111	0.0018	0.9982	96.64
19.5	657,566,652	4,711,286	0.0072	0.9928	96.46
20.5	658,273,248	4,439,565	0.0067	0.9933	95.77
21.5	651,092,743	238,657	0.0004	0.9996	95.13
22.5	649,926,828	1,329,211	0.0020	0.9980	95.09
23.5	643,353,477	2,892,386	0.0045	0.9955	94.90
24.5	605,542,375	11,377,877	0.0188	0.9812	94.47
25.5	593,449,624	16,190,089	0.0273	0.9727	92.70
26.5	576,597,083	7,763,497	0.0135	0.9865	90.17
27.5	686,390,052	1,107,307	0.0016	0.9984	88.95
28.5	683,718,743	17,619,165	0.0258	0.9742	88.81
29.5	659,844,732	9,991,461	0.0151	0.9849	86.52
30.5	639,260,724	1,264,001	0.0020	0.9980	85.21
31.5	109,228,037	353,858	0.0032	0.9968	85.04
32.5	93,924,232	431,286	0.0046	0.9954	84.77
33.5	92,941,644	1,154,098	0.0124	0.9876	84.38
34.5	84,765,461	982,415	0.0116	0.9884	83.33
35.5	83,900,029	171,181	0.0020	0.9980	82.36
36.5	83,537,198	1,039,497	0.0124	0.9876	82.20
37.5	88,031,263	3,426,879	0.0389	0.9611	81.17
38.5	82,790,322	5,418,344	0.0654	0.9346	78.01

## DUKE ENERGY PROGRESS

## ACCOUNT 324 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1987-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	81,953,659	642,177	0.0078	0.9922	72.91
40.5	80,838,200	3,044,487	0.0377	0.9623	72.34
41.5	53,281,314	3,528,628	0.0662	0.9338	69.61
42.5	49,620,728	612,324	0.0123	0.9877	65.00
43.5	7,157,799	264,548	0.0370	0.9630	64.20
44.5	6,707,304	389,529	0.0581	0.9419	61.83
45.5	6,318,902	676,892	0.1071	0.8929	58.24
46.5	5,642,011	1,523,271	0.2700	0.7300	52.00
47.5	1,127		0.0000	1.0000	37.96
48.5	1,127		0.0000	1.0000	37.96
49.5	1,127	1	0.0005	0.9995	37.96
50.5					37.94
51.5	213		0.0000		
52.5	213		0.0000		
53.5	50,660		0.0000		
54.5	50,660		0.0000		
55.5	50,660	0	0.0000		
56.5	50,447		0.0000		
57.5	50,447	28	0.0006		
58.5					



## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1922-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1971-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	735,747,983	11,439	0.0000	1.0000	100.00
0.5	641,356,564	311,698	0.0005	0.9995	100.00
1.5	575,926,959	746,773	0.0013	0.9987	99.95
2.5	543,654,097	753,376	0.0014	0.9986	99.82
3.5	486,465,196	1,411,623	0.0029	0.9971	99.68
4.5	474,019,938	2,138,669	0.0045	0.9955	99.39
5.5	438,849,555	3,472,823	0.0079	0.9921	98.94
6.5	367,518,860	4,381,273	0.0119	0.9881	98.16
7.5	337,948,107	1,202,338	0.0036	0.9964	96.99
8.5	328,600,761	1,035,889	0.0032	0.9968	96.65
9.5	320,661,302	2,798,183	0.0087	0.9913	96.34
10.5	296,811,557	10,687,044	0.0360	0.9640	95.50
11.5	272,085,060	1,115,073	0.0041	0.9959	92.06
12.5	261,205,188	2,183,422	0.0084	0.9916	91.68
13.5	256,653,691	4,733,706	0.0184	0.9816	90.92
14.5	251,634,198	2,028,131	0.0081	0.9919	89.24
15.5	244,928,934	647,883	0.0026	0.9974	88.52
16.5	240,820,755	531,231	0.0022	0.9978	88.29
17.5	237,393,043	1,824,892	0.0077	0.9923	88.09
18.5	225,184,375	586,589	0.0026	0.9974	87.42
19.5	222,573,363	3,065,231	0.0138	0.9862	87.19
20.5	218,824,349	3,470,449	0.0159	0.9841	85.99
21.5	208,974,789	1,251,775	0.0060	0.9940	84.62
22.5	200,466,351	1,180,811	0.0059	0.9941	84.12
23.5	189,738,489	1,759,303	0.0093	0.9907	83.62
24.5	173,039,435	2,762,890	0.0160	0.9840	82.85
25.5	168,767,072	2,760,816	0.0164	0.9836	81.52
26.5	164,721,313	707,261	0.0043	0.9957	80.19
27.5	179,148,106	383,177	0.0021	0.9979	79.85
28.5	172,455,707	527,929	0.0031	0.9969	79.67
29.5	169,272,115	179,233	0.0011	0.9989	79.43
30.5	152,707,004	210,477	0.0014	0.9986	79.35
31.5	53,516,802	265,877	0.0050	0.9950	79.24
32.5	37,634,755	401,217	0.0107	0.9893	78.84
33.5	21,579,017	97,199	0.0045	0.9955	78.00
34.5	12,728,894	107,278	0.0084	0.9916	77.65
35.5	11,306,331	98,188	0.0087	0.9913	77.00
36.5	10,480,875	31,634	0.0030	0.9970	76.33
37.5	9,936,141	29,372	0.0030	0.9970	76.10
38.5	9,451,728	68,309	0.0072	0.9928	75.87

## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1922-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	9,393,506	49,901	0.0053	0.9947	75.32
40.5	8,886,942	1,453,729	0.1636	0.8364	74.92
41.5	4,823,665	13	0.0000	1.0000	62.67
42.5	4,688,989	52,440	0.0112	0.9888	62.67
43.5	1,896,426	1,449	0.0008	0.9992	61.97
44.5	1,874,529	48,835	0.0261	0.9739	61.92
45.5	1,825,694	726,199	0.3978	0.6022	60.31
46.5	1,025,597	2,363	0.0023	0.9977	36.32
47.5	97		0.0000	1.0000	36.24
48.5	111		0.0000	1.0000	36.24
49.5	111		0.0000	1.0000	36.24
50.5	111		0.0000	1.0000	36.24
51.5	111		0.0000	1.0000	36.24
52.5	111	49	0.4427	0.5573	36.24
53.5	78,054		0.0000	1.0000	20.19
54.5	78,054		0.0000	1.0000	20.19
55.5	78,054		0.0000	1.0000	20.19
56.5	78,054	48	0.0006	0.9994	20.19
57.5	78,006	205	0.0026	0.9974	20.18
58.5	14		0.0000	1.0000	20.13
59.5	14		0.0000	1.0000	20.13
60.5	14		0.0000	1.0000	20.13
61.5	14		0.0000	1.0000	20.13
62.5	14		0.0000	1.0000	20.13
63.5	14		0.0000	1.0000	20.13
64.5	14		0.0000	1.0000	20.13
65.5	14		0.0000	1.0000	20.13
66.5	14		0.0000	1.0000	20.13
67.5	14		0.0000	1.0000	20.13
68.5	14		0.0000	1.0000	20.13
69.5	14		0.0000	1.0000	20.13
70.5	14		0.0000	1.0000	20.13
71.5	14		0.0000	1.0000	20.13
72.5	14		0.0000	1.0000	20.13
73.5	14		0.0000	1.0000	20.13
74.5	14		0.0000	1.0000	20.13
75.5	14		0.0000	1.0000	20.13
76.5	14		0.0000	1.0000	20.13
77.5	14		0.0000	1.0000	20.13
78.5	14		0.0000	1.0000	20.13

## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1922-2018			EXPERIENCE BAND 1971-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	14		0.0000	1.0000	20.13
80.5	14		14	1.0000	20.13
81.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1922-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1999-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	441,276,658	11,439	0.0000	1.0000	100.00
0.5	395,783,085	76,981	0.0002	0.9998	100.00
1.5	334,566,823	279,848	0.0008	0.9992	99.98
2.5	307,421,136	465,990	0.0015	0.9985	99.89
3.5	260,417,410	318,327	0.0012	0.9988	99.74
4.5	263,685,246	1,631,346	0.0062	0.9938	99.62
5.5	233,950,575	1,746,458	0.0075	0.9925	99.00
6.5	171,197,135	2,772,495	0.0162	0.9838	98.27
7.5	149,537,368	462,540	0.0031	0.9969	96.67
8.5	150,819,275	284,484	0.0019	0.9981	96.38
9.5	149,948,286	378,575	0.0025	0.9975	96.19
10.5	144,296,747	1,622,284	0.0112	0.9888	95.95
11.5	214,086,656	673,977	0.0031	0.9969	94.87
12.5	217,161,959	1,904,532	0.0088	0.9912	94.57
13.5	225,716,485	876,375	0.0039	0.9961	93.74
14.5	232,906,663	1,644,065	0.0071	0.9929	93.38
15.5	228,849,122	382,244	0.0017	0.9983	92.72
16.5	227,198,984	357,256	0.0016	0.9984	92.57
17.5	225,725,513	1,381,254	0.0061	0.9939	92.42
18.5	215,055,679	545,177	0.0025	0.9975	91.85
19.5	213,479,823	3,050,856	0.0143	0.9857	91.62
20.5	210,269,848	2,939,792	0.0140	0.9860	90.31
21.5	204,034,395	1,250,769	0.0061	0.9939	89.05
22.5	195,681,885	1,153,531	0.0059	0.9941	88.50
23.5	187,794,493	1,759,303	0.0094	0.9906	87.98
24.5	171,060,071	2,762,738	0.0162	0.9838	87.16
25.5	166,788,471	2,676,588	0.0160	0.9840	85.75
26.5	162,926,526	703,636	0.0043	0.9957	84.37
27.5	179,145,463	383,177	0.0021	0.9979	84.01
28.5	172,453,064	527,763	0.0031	0.9969	83.83
29.5	169,271,857	179,233	0.0011	0.9989	83.57
30.5	152,706,763	210,477	0.0014	0.9986	83.48
31.5	53,516,561	265,877	0.0050	0.9950	83.37
32.5	37,634,514	401,217	0.0107	0.9893	82.96
33.5	21,578,777	97,199	0.0045	0.9955	82.07
34.5	12,728,653	107,278	0.0084	0.9916	81.70
35.5	11,306,091	98,188	0.0087	0.9913	81.01
36.5	10,480,634	31,634	0.0030	0.9970	80.31
37.5	9,935,900	29,372	0.0030	0.9970	80.07
38.5	9,451,487	68,231	0.0072	0.9928	79.83

## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

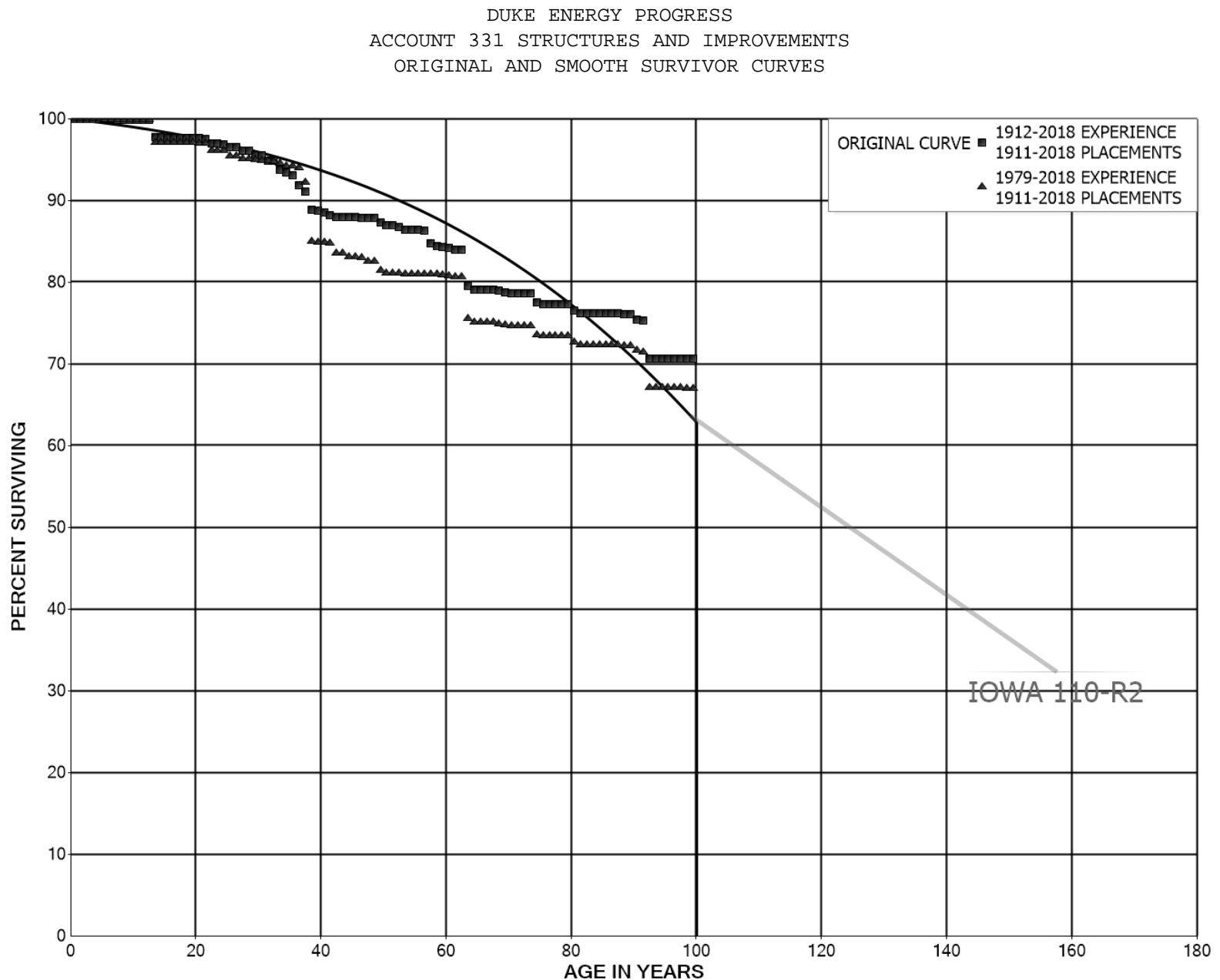
PLACEMENT BAND 1922-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	9,393,343	49,901	0.0053	0.9947	79.25
40.5	8,886,779	1,453,729	0.1636	0.8364	78.83
41.5	4,823,503	13	0.0000	1.0000	65.94
42.5	4,688,827	52,374	0.0112	0.9888	65.94
43.5	1,896,329	1,449	0.0008	0.9992	65.20
44.5	1,874,432	48,835	0.0261	0.9739	65.15
45.5	1,825,597	726,199	0.3978	0.6022	63.45
46.5	1,025,500	2,363	0.0023	0.9977	38.21
47.5					38.12
48.5	49		0.0000		
49.5	49		0.0000		
50.5	49		0.0000		
51.5	49		0.0000		
52.5	97	49	0.5053		
53.5	78,040		0.0000		
54.5	78,040		0.0000		
55.5	78,040		0.0000		
56.5	78,040	48	0.0006		
57.5	77,992	205	0.0026		
58.5					
59.5					
60.5					
61.5					
62.5					
63.5					
64.5					
65.5					
66.5					
67.5					
68.5					
69.5					
70.5					
71.5					
72.5					
73.5					
74.5					
75.5					
76.5	14		0.0000		
77.5	14		0.0000		
78.5	14		0.0000		

## DUKE ENERGY PROGRESS

## ACCOUNT 325 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1922-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	14		0.0000		
80.5	14	14	1.0000		
81.5					



## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1912-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	19,142,626	1,780	0.0001	0.9999	100.00
0.5	14,977,680	2,066	0.0001	0.9999	99.99
1.5	12,288,215	6,743	0.0005	0.9995	99.98
2.5	12,006,213	12	0.0000	1.0000	99.92
3.5	11,994,009	103	0.0000	1.0000	99.92
4.5	11,840,824	3,225	0.0003	0.9997	99.92
5.5	11,372,245	21	0.0000	1.0000	99.89
6.5	11,325,178	475	0.0000	1.0000	99.89
7.5	11,652,866	262	0.0000	1.0000	99.89
8.5	11,582,372	9	0.0000	1.0000	99.89
9.5	11,555,415	8,381	0.0007	0.9993	99.89
10.5	10,963,735	498	0.0000	1.0000	99.81
11.5	10,970,480	70	0.0000	1.0000	99.81
12.5	10,970,410	233,507	0.0213	0.9787	99.81
13.5	10,579,125	844	0.0001	0.9999	97.69
14.5	10,589,307	1,880	0.0002	0.9998	97.68
15.5	10,465,174	386	0.0000	1.0000	97.66
16.5	10,456,129	1,995	0.0002	0.9998	97.66
17.5	10,121,992	823	0.0001	0.9999	97.64
18.5	9,937,414	1,518	0.0002	0.9998	97.63
19.5	8,522,938	4,625	0.0005	0.9995	97.61
20.5	7,795,795	357	0.0000	1.0000	97.56
21.5	6,981,520	44,448	0.0064	0.9936	97.56
22.5	5,093,594	2,312	0.0005	0.9995	96.94
23.5	5,063,423	189	0.0000	1.0000	96.89
24.5	4,661,897	16,866	0.0036	0.9964	96.89
25.5	4,639,011	2,484	0.0005	0.9995	96.54
26.5	4,562,879	17,594	0.0039	0.9961	96.49
27.5	4,543,413	632	0.0001	0.9999	96.11
28.5	4,388,901	24,986	0.0057	0.9943	96.10
29.5	4,363,916	2,571	0.0006	0.9994	95.55
30.5	4,361,345	30,461	0.0070	0.9930	95.50
31.5	4,219,279	2,054	0.0005	0.9995	94.83
32.5	4,167,386	44,590	0.0107	0.9893	94.78
33.5	2,821,229	11,799	0.0042	0.9958	93.77
34.5	2,807,583	9,237	0.0033	0.9967	93.38
35.5	2,604,525	34,751	0.0133	0.9867	93.07
36.5	2,556,060	21,735	0.0085	0.9915	91.83
37.5	2,531,518	61,963	0.0245	0.9755	91.05
38.5	2,458,647	3,760	0.0015	0.9985	88.82

## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	2,419,181	4,929	0.0020	0.9980	88.68
40.5	2,332,376	8,251	0.0035	0.9965	88.50
41.5	2,186,832	5,265	0.0024	0.9976	88.19
42.5	2,181,411	0	0.0000	1.0000	87.98
43.5	2,171,777	1,866	0.0009	0.9991	87.98
44.5	2,110,307	15	0.0000	1.0000	87.90
45.5	2,086,621	601	0.0003	0.9997	87.90
46.5	2,058,123	1,231	0.0006	0.9994	87.88
47.5	2,055,871	9	0.0000	1.0000	87.82
48.5	2,044,773	12,552	0.0061	0.9939	87.82
49.5	2,032,056	6,545	0.0032	0.9968	87.28
50.5	2,022,354	1,319	0.0007	0.9993	87.00
51.5	2,020,677	5,552	0.0027	0.9973	86.95
52.5	2,014,085	6,140	0.0030	0.9970	86.71
53.5	2,005,527	0	0.0000	1.0000	86.44
54.5	2,005,527	462	0.0002	0.9998	86.44
55.5	2,004,900	4,392	0.0022	0.9978	86.42
56.5	1,999,671	35,890	0.0179	0.9821	86.23
57.5	1,963,050	7,153	0.0036	0.9964	84.69
58.5	1,805,074	1,728	0.0010	0.9990	84.38
59.5	1,802,621	3,459	0.0019	0.9981	84.30
60.5	1,791,356	3,179	0.0018	0.9982	84.14
61.5	1,786,600	901	0.0005	0.9995	83.99
62.5	1,784,111	94,681	0.0531	0.9469	83.94
63.5	1,686,663	8,638	0.0051	0.9949	79.49
64.5	1,678,025	6	0.0000	1.0000	79.08
65.5	1,670,204	3	0.0000	1.0000	79.08
66.5	1,669,705	13	0.0000	1.0000	79.08
67.5	1,666,956	3,290	0.0020	0.9980	79.08
68.5	1,652,415	3,689	0.0022	0.9978	78.92
69.5	1,648,726	2,000	0.0012	0.9988	78.75
70.5	1,643,905		0.0000	1.0000	78.65
71.5	1,643,905	101	0.0001	0.9999	78.65
72.5	1,642,541		0.0000	1.0000	78.65
73.5	1,642,541	24,245	0.0148	0.9852	78.65
74.5	1,618,296	3,568	0.0022	0.9978	77.49
75.5	1,614,506	15	0.0000	1.0000	77.32
76.5	1,612,121		0.0000	1.0000	77.32
77.5	1,612,121		0.0000	1.0000	77.32
78.5	1,612,121		0.0000	1.0000	77.32

## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,612,121	16,459	0.0102	0.9898	77.32
80.5	1,595,662	7,727	0.0048	0.9952	76.53
81.5	1,587,935	272	0.0002	0.9998	76.16
82.5	1,587,662		0.0000	1.0000	76.14
83.5	1,587,662		0.0000	1.0000	76.14
84.5	1,587,662		0.0000	1.0000	76.14
85.5	1,587,662		0.0000	1.0000	76.14
86.5	1,587,662		0.0000	1.0000	76.14
87.5	1,587,662	1,203	0.0008	0.9992	76.14
88.5	966,665		0.0000	1.0000	76.08
89.5	966,651	8,246	0.0085	0.9915	76.08
90.5	295,917	741	0.0025	0.9975	75.44
91.5	295,176	18,040	0.0611	0.9389	75.25
92.5	277,136		0.0000	1.0000	70.65
93.5	277,136		0.0000	1.0000	70.65
94.5	277,136		0.0000	1.0000	70.65
95.5	277,136		0.0000	1.0000	70.65
96.5	277,136		0.0000	1.0000	70.65
97.5	276,282	147	0.0005	0.9995	70.65
98.5	276,135		0.0000	1.0000	70.61
99.5	276,135		0.0000	1.0000	70.61
100.5	276,135		0.0000	1.0000	70.61
101.5	252,136		0.0000	1.0000	70.61
102.5	252,136		0.0000	1.0000	70.61
103.5	251,783		0.0000	1.0000	70.61
104.5	251,783		0.0000	1.0000	70.61
105.5	250,387		0.0000	1.0000	70.61
106.5	6,298		0.0000	1.0000	70.61
107.5					70.61

## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	16,496,359	1,780	0.0001	0.9999	100.00
0.5	12,399,441	2,066	0.0002	0.9998	99.99
1.5	9,847,283	6,743	0.0007	0.9993	99.97
2.5	9,565,621	12	0.0000	1.0000	99.90
3.5	9,563,350	29	0.0000	1.0000	99.90
4.5	9,480,518	2,591	0.0003	0.9997	99.90
5.5	9,029,016	9	0.0000	1.0000	99.88
6.5	9,009,912	9	0.0000	1.0000	99.88
7.5	9,339,094	35	0.0000	1.0000	99.88
8.5	9,268,899	9	0.0000	1.0000	99.88
9.5	9,242,361	8,381	0.0009	0.9991	99.88
10.5	8,653,968		0.0000	1.0000	99.79
11.5	8,661,569	70	0.0000	1.0000	99.79
12.5	8,663,436	233,507	0.0270	0.9730	99.78
13.5	8,277,457		0.0000	1.0000	97.09
14.5	8,295,534	1,880	0.0002	0.9998	97.09
15.5	8,171,565	13	0.0000	1.0000	97.07
16.5	8,168,997	1,995	0.0002	0.9998	97.07
17.5	7,837,256	35	0.0000	1.0000	97.05
18.5	7,808,569	1,518	0.0002	0.9998	97.05
19.5	6,450,878	3,335	0.0005	0.9995	97.03
20.5	5,732,864	357	0.0001	0.9999	96.98
21.5	4,920,167	44,448	0.0090	0.9910	96.97
22.5	3,033,830	2,312	0.0008	0.9992	96.10
23.5	3,006,428	189	0.0001	0.9999	96.02
24.5	2,608,762	16,419	0.0063	0.9937	96.02
25.5	2,594,145	847	0.0003	0.9997	95.41
26.5	2,520,225	9,513	0.0038	0.9962	95.38
27.5	2,511,590	254	0.0001	0.9999	95.02
28.5	2,369,455	1,105	0.0005	0.9995	95.01
29.5	2,368,350	2,571	0.0011	0.9989	94.97
30.5	2,368,600	793	0.0003	0.9997	94.87
31.5	2,259,378	1,654	0.0007	0.9993	94.83
32.5	2,209,155	7,051	0.0032	0.9968	94.76
33.5	900,537	2,959	0.0033	0.9967	94.46
34.5	895,840	138	0.0002	0.9998	94.15
35.5	705,208	1,674	0.0024	0.9976	94.14
36.5	698,735	12,651	0.0181	0.9819	93.91
37.5	686,178	54,464	0.0794	0.9206	92.21
38.5	620,899	30	0.0000	1.0000	84.89

## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

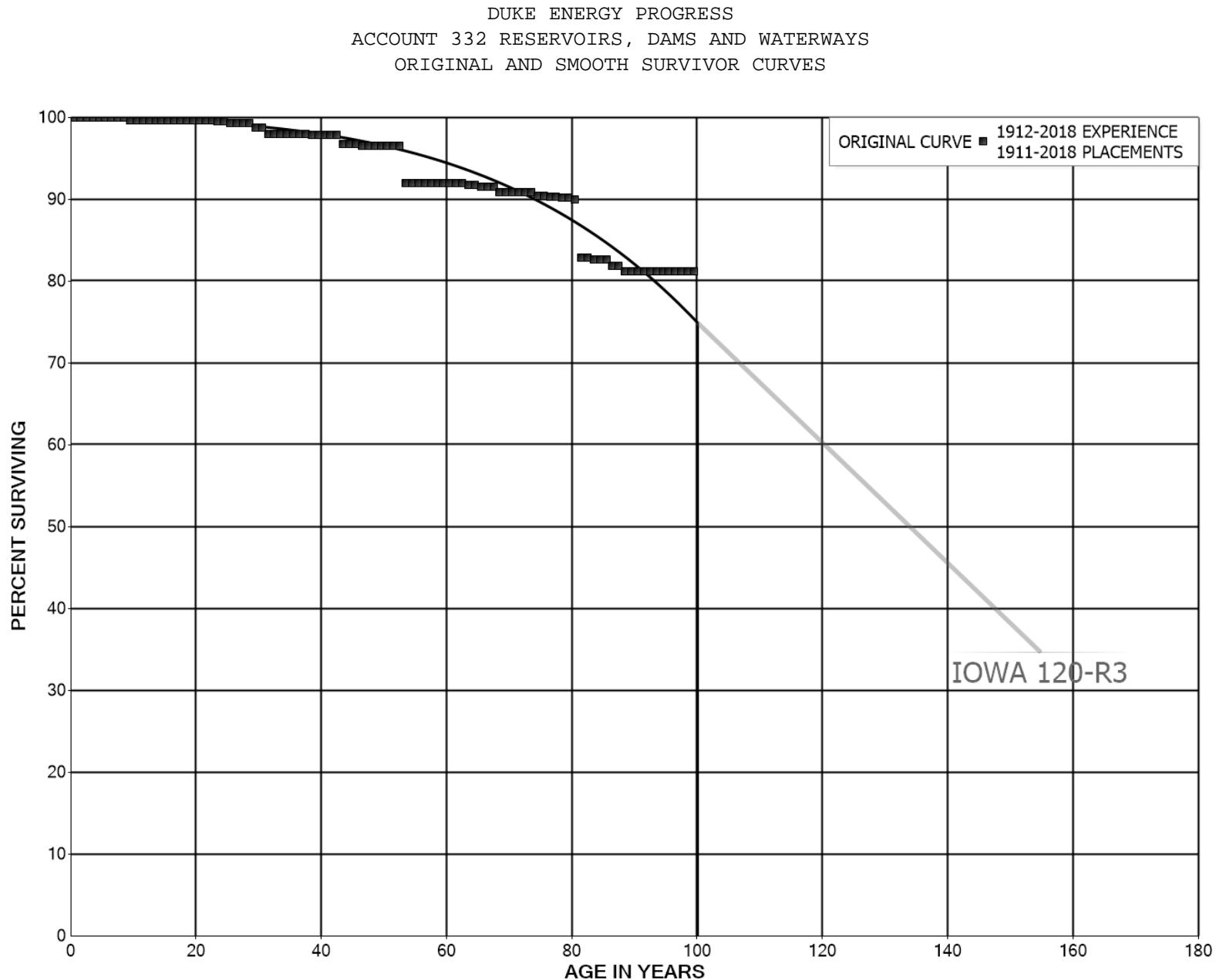
PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	585,163	208	0.0004	0.9996	84.89	
40.5	504,057	995	0.0020	0.9980	84.86	
41.5	365,768	5,265	0.0144	0.9856	84.69	
42.5	360,347	0	0.0000	1.0000	83.47	
43.5	350,714	1,866	0.0053	0.9947	83.47	
44.5	289,244	15	0.0001	0.9999	83.03	
45.5	265,558	337	0.0013	0.9987	83.02	
46.5	237,323	1,231	0.0052	0.9948	82.92	
47.5	235,071	9	0.0000	1.0000	82.49	
48.5	991,281	12,552	0.0127	0.9873	82.49	
49.5	978,579	4,117	0.0042	0.9958	81.44	
50.5	1,650,373	77	0.0000	1.0000	81.10	
51.5	1,649,938	378	0.0002	0.9998	81.10	
52.5	1,648,521	2,904	0.0018	0.9982	81.08	
53.5	1,643,198	0	0.0000	1.0000	80.93	
54.5	1,643,198		0.0000	1.0000	80.93	
55.5	1,643,033	1	0.0000	1.0000	80.93	
56.5	1,642,195	1	0.0000	1.0000	80.93	
57.5	1,642,317	766	0.0005	0.9995	80.93	
58.5	1,490,728	111	0.0001	0.9999	80.90	
59.5	1,489,892	2,362	0.0016	0.9984	80.89	
60.5	1,479,724	3,179	0.0021	0.9979	80.76	
61.5	1,498,967	1	0.0000	1.0000	80.59	
62.5	1,497,378	94,681	0.0632	0.9368	80.59	
63.5	1,400,283	8,638	0.0062	0.9938	75.49	
64.5	1,391,792	6	0.0000	1.0000	75.03	
65.5	1,385,367	3	0.0000	1.0000	75.03	
66.5	1,655,651	13	0.0000	1.0000	75.03	
67.5	1,666,956	3,290	0.0020	0.9980	75.03	
68.5	1,652,415	3,689	0.0022	0.9978	74.88	
69.5	1,648,726	2,000	0.0012	0.9988	74.71	
70.5	1,643,905		0.0000	1.0000	74.62	
71.5	1,643,905	101	0.0001	0.9999	74.62	
72.5	1,642,541		0.0000	1.0000	74.62	
73.5	1,642,541	24,245	0.0148	0.9852	74.62	
74.5	1,618,296	3,568	0.0022	0.9978	73.51	
75.5	1,614,506	15	0.0000	1.0000	73.35	
76.5	1,612,121		0.0000	1.0000	73.35	
77.5	1,612,121		0.0000	1.0000	73.35	
78.5	1,612,121		0.0000	1.0000	73.35	

## DUKE ENERGY PROGRESS

## ACCOUNT 331 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,612,121	16,459	0.0102	0.9898	73.35
80.5	1,595,662	7,727	0.0048	0.9952	72.60
81.5	1,587,935	272	0.0002	0.9998	72.25
82.5	1,587,662		0.0000	1.0000	72.24
83.5	1,587,662		0.0000	1.0000	72.24
84.5	1,587,662		0.0000	1.0000	72.24
85.5	1,587,662		0.0000	1.0000	72.24
86.5	1,587,662		0.0000	1.0000	72.24
87.5	1,587,662	1,203	0.0008	0.9992	72.24
88.5	966,665		0.0000	1.0000	72.18
89.5	966,651	8,246	0.0085	0.9915	72.18
90.5	295,917	741	0.0025	0.9975	71.57
91.5	295,176	18,040	0.0611	0.9389	71.39
92.5	277,136		0.0000	1.0000	67.03
93.5	277,136		0.0000	1.0000	67.03
94.5	277,136		0.0000	1.0000	67.03
95.5	277,136		0.0000	1.0000	67.03
96.5	277,136		0.0000	1.0000	67.03
97.5	276,282	147	0.0005	0.9995	67.03
98.5	276,135		0.0000	1.0000	66.99
99.5	276,135		0.0000	1.0000	66.99
100.5	276,135		0.0000	1.0000	66.99
101.5	252,136		0.0000	1.0000	66.99
102.5	252,136		0.0000	1.0000	66.99
103.5	251,783		0.0000	1.0000	66.99
104.5	251,783		0.0000	1.0000	66.99
105.5	250,387		0.0000	1.0000	66.99
106.5	6,298		0.0000	1.0000	66.99
107.5					66.99



## DUKE ENERGY PROGRESS

## ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2018		EXPERIENCE BAND 1912-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	60,534,090	2,253	0.0000	1.0000	100.00
0.5	57,016,858		0.0000	1.0000	100.00
1.5	55,661,740	39	0.0000	1.0000	100.00
2.5	53,955,523	62	0.0000	1.0000	100.00
3.5	53,260,875		0.0000	1.0000	100.00
4.5	53,262,300	7	0.0000	1.0000	100.00
5.5	51,799,968		0.0000	1.0000	100.00
6.5	51,670,034	6,888	0.0001	0.9999	100.00
7.5	47,717,019	3,584	0.0001	0.9999	99.98
8.5	47,024,000	162,457	0.0035	0.9965	99.98
9.5	46,861,543	23,042	0.0005	0.9995	99.63
10.5	46,674,717		0.0000	1.0000	99.58
11.5	46,674,717	216	0.0000	1.0000	99.58
12.5	46,674,501		0.0000	1.0000	99.58
13.5	46,571,937		0.0000	1.0000	99.58
14.5	46,569,845		0.0000	1.0000	99.58
15.5	46,569,836		0.0000	1.0000	99.58
16.5	39,212,724		0.0000	1.0000	99.58
17.5	31,571,697	337	0.0000	1.0000	99.58
18.5	31,525,658		0.0000	1.0000	99.58
19.5	30,955,114		0.0000	1.0000	99.58
20.5	30,359,946	24	0.0000	1.0000	99.58
21.5	28,366,320	110	0.0000	1.0000	99.58
22.5	28,014,122	15,910	0.0006	0.9994	99.58
23.5	25,705,297	21	0.0000	1.0000	99.52
24.5	25,463,590	50,415	0.0020	0.9980	99.52
25.5	23,915,652	5,574	0.0002	0.9998	99.33
26.5	23,555,910	7,851	0.0003	0.9997	99.30
27.5	23,532,001		0.0000	1.0000	99.27
28.5	22,285,757	123,442	0.0055	0.9945	99.27
29.5	22,162,315		0.0000	1.0000	98.72
30.5	22,083,580	162,933	0.0074	0.9926	98.72
31.5	21,907,934	117	0.0000	1.0000	97.99
32.5	21,777,735	6,454	0.0003	0.9997	97.99
33.5	18,700,005		0.0000	1.0000	97.96
34.5	18,695,554	499	0.0000	1.0000	97.96
35.5	18,228,272	1,300	0.0001	0.9999	97.96
36.5	17,958,858		0.0000	1.0000	97.95
37.5	17,958,858	18,343	0.0010	0.9990	97.95
38.5	17,940,515	1,905	0.0001	0.9999	97.85

## DUKE ENERGY PROGRESS

## ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

## ORIGINAL LIFE TABLE, CONT.

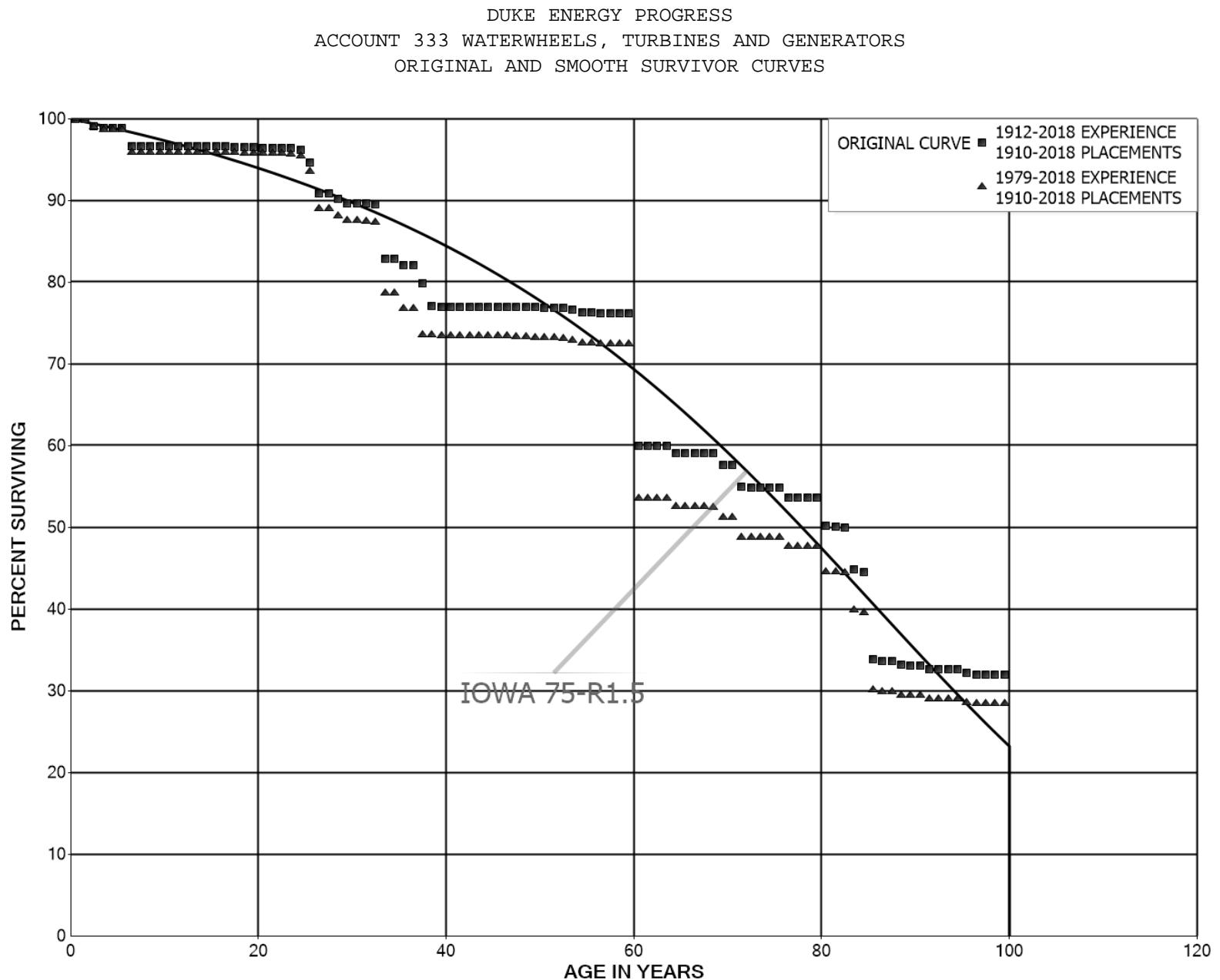
PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	17,938,610	2,677	0.0001	0.9999	97.84
40.5	17,926,884		0.0000	1.0000	97.83
41.5	17,616,270		0.0000	1.0000	97.83
42.5	17,616,270	202,342	0.0115	0.9885	97.83
43.5	17,413,343		0.0000	1.0000	96.70
44.5	17,413,343		0.0000	1.0000	96.70
45.5	17,413,343	41,928	0.0024	0.9976	96.70
46.5	17,332,322	806	0.0000	1.0000	96.47
47.5	17,331,516		0.0000	1.0000	96.47
48.5	17,331,516		0.0000	1.0000	96.47
49.5	17,331,516		0.0000	1.0000	96.47
50.5	17,331,066		0.0000	1.0000	96.47
51.5	17,331,066	2,241	0.0001	0.9999	96.47
52.5	17,328,825	809,115	0.0467	0.9533	96.45
53.5	16,517,572		0.0000	1.0000	91.95
54.5	16,517,572		0.0000	1.0000	91.95
55.5	16,517,572		0.0000	1.0000	91.95
56.5	16,517,572		0.0000	1.0000	91.95
57.5	16,515,860	2,375	0.0001	0.9999	91.95
58.5	16,340,925		0.0000	1.0000	91.94
59.5	16,338,605		0.0000	1.0000	91.94
60.5	16,338,605		0.0000	1.0000	91.94
61.5	16,338,605		0.0000	1.0000	91.94
62.5	16,338,605	45,119	0.0028	0.9972	91.94
63.5	16,293,486		0.0000	1.0000	91.68
64.5	16,293,486	25,844	0.0016	0.9984	91.68
65.5	16,267,642		0.0000	1.0000	91.54
66.5	16,267,642		0.0000	1.0000	91.54
67.5	16,267,642	129,145	0.0079	0.9921	91.54
68.5	16,138,497		0.0000	1.0000	90.81
69.5	16,138,497		0.0000	1.0000	90.81
70.5	16,138,497	1,275	0.0001	0.9999	90.81
71.5	16,137,221	1,014	0.0001	0.9999	90.80
72.5	16,136,207		0.0000	1.0000	90.80
73.5	16,136,207	64,021	0.0040	0.9960	90.80
74.5	16,071,846		0.0000	1.0000	90.44
75.5	16,071,846	27,158	0.0017	0.9983	90.44
76.5	16,043,116	6,948	0.0004	0.9996	90.28
77.5	16,035,133	20,263	0.0013	0.9987	90.25
78.5	16,014,870	1,887	0.0001	0.9999	90.13

## DUKE ENERGY PROGRESS

## ACCOUNT 332 RESERVOIRS, DAMS AND WATERWAYS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	16,012,983	26,458	0.0017	0.9983	90.12
80.5	15,986,525	1,276,307	0.0798	0.9202	89.97
81.5	14,710,218		0.0000	1.0000	82.79
82.5	14,710,218	33,840	0.0023	0.9977	82.79
83.5	14,676,378		0.0000	1.0000	82.60
84.5	14,676,378	6,360	0.0004	0.9996	82.60
85.5	14,670,018	130,292	0.0089	0.9911	82.56
86.5	14,489,169	4,625	0.0003	0.9997	81.83
87.5	14,484,544	114,556	0.0079	0.9921	81.80
88.5	5,456,406		0.0000	1.0000	81.16
89.5	5,456,406		0.0000	1.0000	81.16
90.5	1,977,178	1	0.0000	1.0000	81.16
91.5	1,977,177	340	0.0002	0.9998	81.16
92.5	1,976,837		0.0000	1.0000	81.14
93.5	1,976,837		0.0000	1.0000	81.14
94.5	1,966,361		0.0000	1.0000	81.14
95.5	1,957,111		0.0000	1.0000	81.14
96.5	1,957,111		0.0000	1.0000	81.14
97.5	1,957,111		0.0000	1.0000	81.14
98.5	1,957,111		0.0000	1.0000	81.14
99.5	1,957,111		0.0000	1.0000	81.14
100.5	1,957,111		0.0000	1.0000	81.14
101.5	1,943,661		0.0000	1.0000	81.14
102.5	1,943,661		0.0000	1.0000	81.14
103.5	1,943,451		0.0000	1.0000	81.14
104.5	1,943,451		0.0000	1.0000	81.14
105.5	1,942,637		0.0000	1.0000	81.14
106.5	45,055	747	0.0166	0.9834	81.14
107.5					79.80



## DUKE ENERGY PROGRESS

## ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	41,794,666	6,919	0.0002	0.9998	100.00
0.5	39,990,500		0.0000	1.0000	99.98
1.5	33,990,137	296,203	0.0087	0.9913	99.98
2.5	33,645,161	87,285	0.0026	0.9974	99.11
3.5	33,387,324		0.0000	1.0000	98.86
4.5	33,397,624		0.0000	1.0000	98.86
5.5	28,241,019	650,642	0.0230	0.9770	98.86
6.5	22,100,011		0.0000	1.0000	96.58
7.5	18,894,898	1,815	0.0001	0.9999	96.58
8.5	18,878,409		0.0000	1.0000	96.57
9.5	18,878,409		0.0000	1.0000	96.57
10.5	18,878,409		0.0000	1.0000	96.57
11.5	18,878,409		0.0000	1.0000	96.57
12.5	18,827,411		0.0000	1.0000	96.57
13.5	18,816,916		0.0000	1.0000	96.57
14.5	18,816,916		0.0000	1.0000	96.57
15.5	18,816,916	326	0.0000	1.0000	96.57
16.5	18,508,911	11,966	0.0006	0.9994	96.57
17.5	18,496,945	1,081	0.0001	0.9999	96.50
18.5	18,354,914		0.0000	1.0000	96.50
19.5	18,347,088	16,664	0.0009	0.9991	96.50
20.5	18,321,528	561	0.0000	1.0000	96.41
21.5	17,975,909		0.0000	1.0000	96.41
22.5	17,974,472	1,042	0.0001	0.9999	96.41
23.5	17,973,430	34,376	0.0019	0.9981	96.40
24.5	17,534,582	293,084	0.0167	0.9833	96.22
25.5	16,277,097	644,822	0.0396	0.9604	94.61
26.5	14,138,848	1,051	0.0001	0.9999	90.86
27.5	14,098,480	111,864	0.0079	0.9921	90.85
28.5	13,455,416	69,957	0.0052	0.9948	90.13
29.5	13,141,095	779	0.0001	0.9999	89.67
30.5	13,099,355	7,005	0.0005	0.9995	89.66
31.5	11,898,271	14,154	0.0012	0.9988	89.61
32.5	11,606,517	865,792	0.0746	0.9254	89.51
33.5	4,950,500	157	0.0000	1.0000	82.83
34.5	4,154,332	37,273	0.0090	0.9910	82.83
35.5	4,117,058	2,626	0.0006	0.9994	82.08
36.5	4,100,706	109,611	0.0267	0.9733	82.03
37.5	3,912,259	138,185	0.0353	0.9647	79.84
38.5	3,732,378	438	0.0001	0.9999	77.02

## DUKE ENERGY PROGRESS

## ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,715,981		0.0000	1.0000	77.01
40.5	3,715,981		0.0000	1.0000	77.01
41.5	3,715,792	0	0.0000	1.0000	77.01
42.5	3,715,792		0.0000	1.0000	77.01
43.5	3,715,792	0	0.0000	1.0000	77.01
44.5	3,714,918		0.0000	1.0000	77.01
45.5	3,714,918	643	0.0002	0.9998	77.01
46.5	3,704,394	1,456	0.0004	0.9996	77.00
47.5	3,702,938	87	0.0000	1.0000	76.97
48.5	3,702,852	2,603	0.0007	0.9993	76.96
49.5	3,695,439	1,760	0.0005	0.9995	76.91
50.5	3,693,679		0.0000	1.0000	76.87
51.5	3,680,955	1,245	0.0003	0.9997	76.87
52.5	3,679,710	12,399	0.0034	0.9966	76.85
53.5	3,667,285	14,827	0.0040	0.9960	76.59
54.5	3,640,212		0.0000	1.0000	76.28
55.5	3,640,212	4,462	0.0012	0.9988	76.28
56.5	3,615,036		0.0000	1.0000	76.18
57.5	3,615,036	236	0.0001	0.9999	76.18
58.5	2,694,007		0.0000	1.0000	76.18
59.5	2,694,007	572,720	0.2126	0.7874	76.18
60.5	2,121,287		0.0000	1.0000	59.98
61.5	2,121,287		0.0000	1.0000	59.98
62.5	2,121,287		0.0000	1.0000	59.98
63.5	2,121,287	31,991	0.0151	0.9849	59.98
64.5	2,089,296	684	0.0003	0.9997	59.08
65.5	2,088,612		0.0000	1.0000	59.06
66.5	2,088,612		0.0000	1.0000	59.06
67.5	2,088,612	1,140	0.0005	0.9995	59.06
68.5	2,083,079	48,341	0.0232	0.9768	59.03
69.5	2,034,737	175	0.0001	0.9999	57.66
70.5	2,034,562	96,683	0.0475	0.9525	57.65
71.5	1,937,879	3,792	0.0020	0.9980	54.91
72.5	1,934,088		0.0000	1.0000	54.81
73.5	1,934,088		0.0000	1.0000	54.81
74.5	1,934,088		0.0000	1.0000	54.81
75.5	1,934,088	43,598	0.0225	0.9775	54.81
76.5	1,890,490		0.0000	1.0000	53.57
77.5	1,890,490		0.0000	1.0000	53.57
78.5	1,890,490		0.0000	1.0000	53.57

## DUKE ENERGY PROGRESS

ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,890,490	121,054	0.0640	0.9360	53.57
80.5	1,769,436	1,851	0.0010	0.9990	50.14
81.5	1,767,585	3,698	0.0021	0.9979	50.09
82.5	1,763,887	180,820	0.1025	0.8975	49.98
83.5	1,583,067	13,100	0.0083	0.9917	44.86
84.5	1,569,967	374,682	0.2387	0.7613	44.49
85.5	1,195,285	10,882	0.0091	0.9909	33.87
86.5	1,184,403		0.0000	1.0000	33.56
87.5	1,179,327	15,080	0.0128	0.9872	33.56
88.5	1,000,908	958	0.0010	0.9990	33.13
89.5	999,950	193	0.0002	0.9998	33.10
90.5	566,995	8,345	0.0147	0.9853	33.10
91.5	532,105		0.0000	1.0000	32.61
92.5	532,105		0.0000	1.0000	32.61
93.5	532,105		0.0000	1.0000	32.61
94.5	532,105	7,828	0.0147	0.9853	32.61
95.5	499,346	1,970	0.0039	0.9961	32.13
96.5	491,109		0.0000	1.0000	32.00
97.5	491,109		0.0000	1.0000	32.00
98.5	491,109		0.0000	1.0000	32.00
99.5	491,109		0.0000	1.0000	32.00
100.5	478,793	111,372	0.2326	0.7674	32.00
101.5	367,421	3,082	0.0084	0.9916	24.56
102.5	364,339	86,632	0.2378	0.7622	24.35
103.5	277,707		0.0000	1.0000	18.56
104.5	277,707		0.0000	1.0000	18.56
105.5	277,707		0.0000	1.0000	18.56
106.5	277,707	86,849	0.3127	0.6873	18.56
107.5	190,858	1,646	0.0086	0.9914	12.76
108.5					12.65

## DUKE ENERGY PROGRESS

## ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	36,942,616		0.0000	1.0000	100.00
0.5	35,143,517		0.0000	1.0000	100.00
1.5	28,664,833	296,203	0.0103	0.9897	100.00
2.5	28,405,327	87,285	0.0031	0.9969	98.97
3.5	28,147,490		0.0000	1.0000	98.66
4.5	28,159,976		0.0000	1.0000	98.66
5.5	23,003,574	650,642	0.0283	0.9717	98.66
6.5	16,862,565		0.0000	1.0000	95.87
7.5	13,657,453		0.0000	1.0000	95.87
8.5	13,642,779		0.0000	1.0000	95.87
9.5	13,647,775		0.0000	1.0000	95.87
10.5	13,647,781		0.0000	1.0000	95.87
11.5	13,660,880		0.0000	1.0000	95.87
12.5	13,609,881		0.0000	1.0000	95.87
13.5	13,638,046		0.0000	1.0000	95.87
14.5	13,686,293		0.0000	1.0000	95.87
15.5	13,687,344	326	0.0000	1.0000	95.87
16.5	13,400,053	11,966	0.0009	0.9991	95.87
17.5	13,388,087	1,081	0.0001	0.9999	95.78
18.5	14,954,241		0.0000	1.0000	95.78
19.5	15,381,161	15,597	0.0010	0.9990	95.78
20.5	15,356,668	561	0.0000	1.0000	95.68
21.5	15,011,049		0.0000	1.0000	95.68
22.5	15,009,611	1,042	0.0001	0.9999	95.68
23.5	15,008,569	34,376	0.0023	0.9977	95.67
24.5	14,569,722	293,084	0.0201	0.9799	95.45
25.5	13,312,237	644,822	0.0484	0.9516	93.53
26.5	11,173,988	1,051	0.0001	0.9999	89.00
27.5	11,133,620	111,864	0.0100	0.9900	88.99
28.5	10,494,949	69,957	0.0067	0.9933	88.10
29.5	10,180,627	779	0.0001	0.9999	87.51
30.5	10,179,843	7,005	0.0007	0.9993	87.50
31.5	8,978,758	14,154	0.0016	0.9984	87.44
32.5	8,687,005	865,792	0.0997	0.9003	87.30
33.5	2,030,987	157	0.0001	0.9999	78.60
34.5	1,235,420	28,916	0.0234	0.9766	78.60
35.5	1,206,503	126	0.0001	0.9999	76.76
36.5	1,337,675	57,298	0.0428	0.9572	76.75
37.5	1,202,751		0.0000	1.0000	73.46
38.5	1,161,055	438	0.0004	0.9996	73.46

## DUKE ENERGY PROGRESS

ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

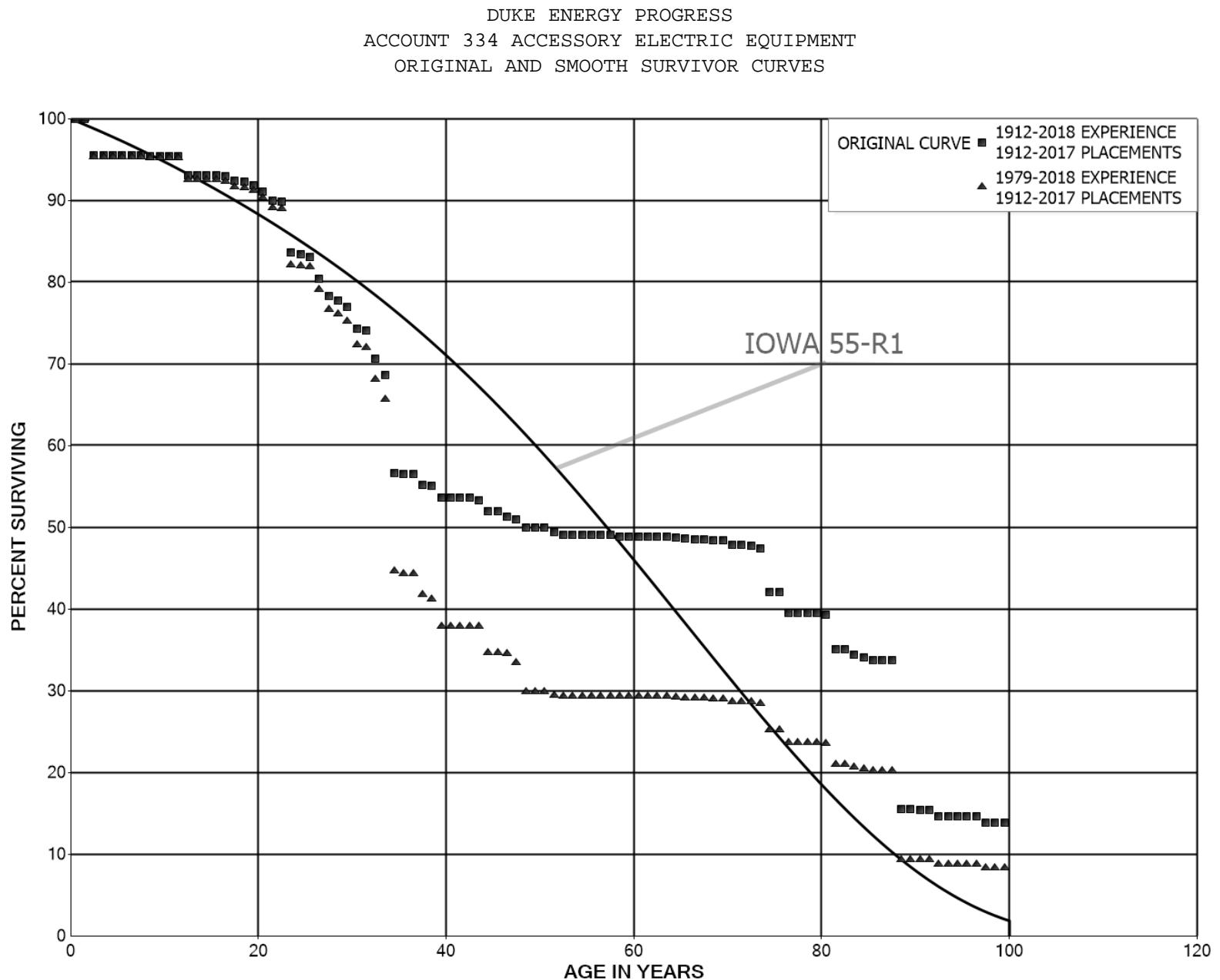
PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL			PCT SURV BEGIN OF INTERVAL		
39.5	1,144,658		0.0000	1.0000	73.43
40.5	1,144,658		0.0000	1.0000	73.43
41.5	1,144,469	0	0.0000	1.0000	73.43
42.5	1,159,296		0.0000	1.0000	73.43
43.5	1,159,296	0	0.0000	1.0000	73.43
44.5	1,158,422		0.0000	1.0000	73.43
45.5	1,158,422	643	0.0006	0.9994	73.43
46.5	1,157,778	1,456	0.0013	0.9987	73.39
47.5	1,169,011	87	0.0001	0.9999	73.30
48.5	1,970,957	2,603	0.0013	0.9987	73.30
49.5	1,963,544	1,760	0.0009	0.9991	73.20
50.5	3,119,909		0.0000	1.0000	73.13
51.5	3,143,707	1,245	0.0004	0.9996	73.13
52.5	3,142,462	12,399	0.0039	0.9961	73.10
53.5	3,130,036	14,827	0.0047	0.9953	72.82
54.5	3,102,964		0.0000	1.0000	72.47
55.5	3,137,254	4,462	0.0014	0.9986	72.47
56.5	3,120,700		0.0000	1.0000	72.37
57.5	3,120,700		0.0000	1.0000	72.37
58.5	2,199,907		0.0000	1.0000	72.37
59.5	2,199,907	572,720	0.2603	0.7397	72.37
60.5	1,639,503		0.0000	1.0000	53.53
61.5	1,639,503		0.0000	1.0000	53.53
62.5	1,639,503		0.0000	1.0000	53.53
63.5	1,639,503	31,991	0.0195	0.9805	53.53
64.5	1,607,512	684	0.0004	0.9996	52.48
65.5	1,606,828		0.0000	1.0000	52.46
66.5	1,607,968		0.0000	1.0000	52.46
67.5	1,609,819	1,140	0.0007	0.9993	52.46
68.5	2,083,079	48,341	0.0232	0.9768	52.42
69.5	2,034,737	175	0.0001	0.9999	51.21
70.5	2,034,562	96,683	0.0475	0.9525	51.20
71.5	1,937,879	3,792	0.0020	0.9980	48.77
72.5	1,934,088		0.0000	1.0000	48.67
73.5	1,934,088		0.0000	1.0000	48.67
74.5	1,934,088		0.0000	1.0000	48.67
75.5	1,934,088	43,598	0.0225	0.9775	48.67
76.5	1,890,490		0.0000	1.0000	47.58
77.5	1,890,490		0.0000	1.0000	47.58
78.5	1,890,490		0.0000	1.0000	47.58

## DUKE ENERGY PROGRESS

ACCOUNT 333 WATERWHEELS, TURBINES AND GENERATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	1,890,490	121,054	0.0640	0.9360	47.58	
80.5	1,769,436	1,851	0.0010	0.9990	44.53	
81.5	1,767,585	3,698	0.0021	0.9979	44.48	
82.5	1,763,887	180,820	0.1025	0.8975	44.39	
83.5	1,583,067	13,100	0.0083	0.9917	39.84	
84.5	1,569,967	374,682	0.2387	0.7613	39.51	
85.5	1,195,285	10,882	0.0091	0.9909	30.08	
86.5	1,184,403		0.0000	1.0000	29.81	
87.5	1,179,327	15,080	0.0128	0.9872	29.81	
88.5	1,000,908	958	0.0010	0.9990	29.43	
89.5	999,950	193	0.0002	0.9998	29.40	
90.5	566,995	8,345	0.0147	0.9853	29.39	
91.5	532,105		0.0000	1.0000	28.96	
92.5	532,105		0.0000	1.0000	28.96	
93.5	532,105		0.0000	1.0000	28.96	
94.5	532,105	7,828	0.0147	0.9853	28.96	
95.5	499,346	1,970	0.0039	0.9961	28.53	
96.5	491,109		0.0000	1.0000	28.42	
97.5	491,109		0.0000	1.0000	28.42	
98.5	491,109		0.0000	1.0000	28.42	
99.5	491,109		0.0000	1.0000	28.42	
100.5	478,793	111,372	0.2326	0.7674	28.42	
101.5	367,421	3,082	0.0084	0.9916	21.81	
102.5	364,339	86,632	0.2378	0.7622	21.63	
103.5	277,707		0.0000	1.0000	16.48	
104.5	277,707		0.0000	1.0000	16.48	
105.5	277,707		0.0000	1.0000	16.48	
106.5	277,707	86,849	0.3127	0.6873	16.48	
107.5	190,858	1,646	0.0086	0.9914	11.33	
108.5					11.23	



## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1912-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
0.0	27,879,238		0.0000	1.0000	100.00	
0.5	27,909,171	6	0.0000	1.0000	100.00	
1.5	25,881,866	1,160,297	0.0448	0.9552	100.00	
2.5	7,756,521		0.0000	1.0000	95.52	
3.5	7,961,795		0.0000	1.0000	95.52	
4.5	7,728,150	5	0.0000	1.0000	95.52	
5.5	7,575,255	3	0.0000	1.0000	95.52	
6.5	7,164,048	73	0.0000	1.0000	95.52	
7.5	6,575,036	10,708	0.0016	0.9984	95.52	
8.5	6,333,362	39	0.0000	1.0000	95.36	
9.5	6,342,787		0.0000	1.0000	95.36	
10.5	6,342,787		0.0000	1.0000	95.36	
11.5	6,342,787	149,219	0.0235	0.9765	95.36	
12.5	6,185,742		0.0000	1.0000	93.12	
13.5	6,185,742		0.0000	1.0000	93.12	
14.5	6,104,414	2,183	0.0004	0.9996	93.12	
15.5	5,330,635	10,507	0.0020	0.9980	93.08	
16.5	5,320,128	30,511	0.0057	0.9943	92.90	
17.5	5,231,496	7,068	0.0014	0.9986	92.37	
18.5	5,194,571	21,875	0.0042	0.9958	92.24	
19.5	5,163,850	43,418	0.0084	0.9916	91.85	
20.5	5,120,432	62,268	0.0122	0.9878	91.08	
21.5	5,058,164	7,804	0.0015	0.9985	89.97	
22.5	5,044,939	350,354	0.0694	0.9306	89.83	
23.5	4,679,210	9,714	0.0021	0.9979	83.60	
24.5	4,506,592	21,203	0.0047	0.9953	83.42	
25.5	4,481,512	141,493	0.0316	0.9684	83.03	
26.5	3,647,919	98,532	0.0270	0.9730	80.41	
27.5	3,552,039	22,376	0.0063	0.9937	78.24	
28.5	3,498,764	35,766	0.0102	0.9898	77.74	
29.5	3,452,481	117,136	0.0339	0.9661	76.95	
30.5	3,131,813	12,526	0.0040	0.9960	74.34	
31.5	3,006,724	138,197	0.0460	0.9540	74.04	
32.5	2,840,213	83,060	0.0292	0.9708	70.64	
33.5	983,091	171,530	0.1745	0.8255	68.57	
34.5	713,938	1,741	0.0024	0.9976	56.61	
35.5	680,263	7	0.0000	1.0000	56.47	
36.5	671,640	14,744	0.0220	0.9780	56.47	
37.5	649,968	2,378	0.0037	0.9963	55.23	
38.5	647,590	16,324	0.0252	0.9748	55.03	

## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	631,266	217	0.0003	0.9997	53.64
40.5	631,048		0.0000	1.0000	53.62
41.5	631,048		0.0000	1.0000	53.62
42.5	631,048	3,447	0.0055	0.9945	53.62
43.5	627,557	16,156	0.0257	0.9743	53.33
44.5	560,018		0.0000	1.0000	51.96
45.5	560,018	6,836	0.0122	0.9878	51.96
46.5	537,040	3,496	0.0065	0.9935	51.32
47.5	533,544	10,760	0.0202	0.9798	50.99
48.5	522,784	238	0.0005	0.9995	49.96
49.5	522,546		0.0000	1.0000	49.94
50.5	522,546	5,944	0.0114	0.9886	49.94
51.5	516,602	2,842	0.0055	0.9945	49.37
52.5	513,760		0.0000	1.0000	49.10
53.5	513,760		0.0000	1.0000	49.10
54.5	503,472	156	0.0003	0.9997	49.10
55.5	503,316		0.0000	1.0000	49.08
56.5	503,316		0.0000	1.0000	49.08
57.5	493,181	2,174	0.0044	0.9956	49.08
58.5	438,237	1	0.0000	1.0000	48.87
59.5	437,489		0.0000	1.0000	48.87
60.5	437,489		0.0000	1.0000	48.87
61.5	437,489	702	0.0016	0.9984	48.87
62.5	436,787		0.0000	1.0000	48.79
63.5	436,787	98	0.0002	0.9998	48.79
64.5	436,689	1,903	0.0044	0.9956	48.78
65.5	434,786	86	0.0002	0.9998	48.56
66.5	434,700	4	0.0000	1.0000	48.55
67.5	432,879	1,894	0.0044	0.9956	48.55
68.5	430,985		0.0000	1.0000	48.34
69.5	430,985	4,795	0.0111	0.9889	48.34
70.5	426,191		0.0000	1.0000	47.80
71.5	426,191	806	0.0019	0.9981	47.80
72.5	425,385	2,422	0.0057	0.9943	47.71
73.5	422,963	47,679	0.1127	0.8873	47.44
74.5	374,524	701	0.0019	0.9981	42.09
75.5	373,601	22,524	0.0603	0.9397	42.01
76.5	351,077		0.0000	1.0000	39.48
77.5	351,077		0.0000	1.0000	39.48
78.5	351,077		0.0000	1.0000	39.48

## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1912-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	351,077	1,738	0.0049	0.9951	39.48	
80.5	349,339	37,466	0.1072	0.8928	39.29	
81.5	311,873		0.0000	1.0000	35.07	
82.5	311,873	5,819	0.0187	0.9813	35.07	
83.5	306,054	3,271	0.0107	0.9893	34.42	
84.5	302,782	3,271	0.0108	0.9892	34.05	
85.5	299,511		0.0000	1.0000	33.68	
86.5	299,511		0.0000	1.0000	33.68	
87.5	299,511	161,910	0.5406	0.4594	33.68	
88.5	137,602		0.0000	1.0000	15.47	
89.5	136,642	406	0.0030	0.9970	15.47	
90.5	22,607		0.0000	1.0000	15.43	
91.5	22,607	1,254	0.0555	0.9445	15.43	
92.5	21,352		0.0000	1.0000	14.57	
93.5	20,708		0.0000	1.0000	14.57	
94.5	20,708		0.0000	1.0000	14.57	
95.5	20,708		0.0000	1.0000	14.57	
96.5	20,708	1,014	0.0490	0.9510	14.57	
97.5	19,694		0.0000	1.0000	13.86	
98.5	19,694		0.0000	1.0000	13.86	
99.5	19,694		0.0000	1.0000	13.86	
100.5	19,694		0.0000	1.0000	13.86	
101.5	19,210		0.0000	1.0000	13.86	
102.5	19,210		0.0000	1.0000	13.86	
103.5	19,210		0.0000	1.0000	13.86	
104.5	19,001	169	0.0089	0.9911	13.86	
105.5	16,729	8,637	0.5163	0.4837	13.74	
106.5					6.64	

## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2017		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	26,705,447		0.0000	1.0000	100.00
0.5	26,735,381	6	0.0000	1.0000	100.00
1.5	24,713,308	1,160,297	0.0470	0.9530	100.00
2.5	6,591,569		0.0000	1.0000	95.30
3.5	6,797,007		0.0000	1.0000	95.30
4.5	6,669,599	5	0.0000	1.0000	95.30
5.5	6,519,092	3	0.0000	1.0000	95.30
6.5	6,139,209	73	0.0000	1.0000	95.30
7.5	5,551,521	7,033	0.0013	0.9987	95.30
8.5	5,318,108	39	0.0000	1.0000	95.18
9.5	5,327,534		0.0000	1.0000	95.18
10.5	5,328,297		0.0000	1.0000	95.18
11.5	5,333,327	147,377	0.0276	0.9724	95.18
12.5	5,306,674		0.0000	1.0000	92.55
13.5	5,306,692		0.0000	1.0000	92.55
14.5	5,269,219	2,183	0.0004	0.9996	92.55
15.5	4,495,964	10,507	0.0023	0.9977	92.51
16.5	4,485,457	30,511	0.0068	0.9932	92.30
17.5	4,413,133	5,556	0.0013	0.9987	91.67
18.5	4,458,002	20,520	0.0046	0.9954	91.55
19.5	4,685,127	43,418	0.0093	0.9907	91.13
20.5	4,641,708	62,268	0.0134	0.9866	90.29
21.5	4,579,440	7,804	0.0017	0.9983	89.08
22.5	4,569,711	350,354	0.0767	0.9233	88.93
23.5	4,203,982	9,714	0.0023	0.9977	82.11
24.5	4,031,365	1,911	0.0005	0.9995	81.92
25.5	4,025,576	138,418	0.0344	0.9656	81.88
26.5	3,195,058	98,532	0.0308	0.9692	79.06
27.5	3,101,000	22,376	0.0072	0.9928	76.63
28.5	3,047,725	35,766	0.0117	0.9883	76.07
29.5	3,001,540	117,136	0.0390	0.9610	75.18
30.5	2,680,872	12,444	0.0046	0.9954	72.25
31.5	2,555,865	138,197	0.0541	0.9459	71.91
32.5	2,390,588	82,765	0.0346	0.9654	68.02
33.5	533,846	171,530	0.3213	0.6787	65.67
34.5	265,453	1,741	0.0066	0.9934	44.57
35.5	232,000	7	0.0000	1.0000	44.28
36.5	223,378	12,969	0.0581	0.9419	44.27
37.5	203,482	2,378	0.0117	0.9883	41.70
38.5	201,104	16,324	0.0812	0.9188	41.22

## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	184,780	7	0.0000	1.0000	37.87	
40.5	186,510		0.0000	1.0000	37.87	
41.5	189,209		0.0000	1.0000	37.87	
42.5	189,209		0.0000	1.0000	37.87	
43.5	189,165	16,156	0.0854	0.9146	37.87	
44.5	121,626		0.0000	1.0000	34.63	
45.5	121,626	491	0.0040	0.9960	34.63	
46.5	105,492	3,496	0.0331	0.9669	34.49	
47.5	101,996	10,760	0.1055	0.8945	33.35	
48.5	303,248	238	0.0008	0.9992	29.83	
49.5	304,671		0.0000	1.0000	29.81	
50.5	455,494	5,944	0.0130	0.9870	29.81	
51.5	449,550	2,786	0.0062	0.9938	29.42	
52.5	446,764		0.0000	1.0000	29.24	
53.5	447,408		0.0000	1.0000	29.24	
54.5	437,119		0.0000	1.0000	29.24	
55.5	438,456		0.0000	1.0000	29.24	
56.5	438,456		0.0000	1.0000	29.24	
57.5	429,336	97	0.0002	0.9998	29.24	
58.5	376,469	1	0.0000	1.0000	29.23	
59.5	375,721		0.0000	1.0000	29.23	
60.5	375,721		0.0000	1.0000	29.23	
61.5	376,205	1	0.0000	1.0000	29.23	
62.5	376,203		0.0000	1.0000	29.23	
63.5	376,203	98	0.0003	0.9997	29.23	
64.5	376,315	1,903	0.0051	0.9949	29.22	
65.5	376,684	86	0.0002	0.9998	29.08	
66.5	434,700	4	0.0000	1.0000	29.07	
67.5	432,879	1,894	0.0044	0.9956	29.07	
68.5	430,985		0.0000	1.0000	28.94	
69.5	430,985	4,795	0.0111	0.9889	28.94	
70.5	426,191		0.0000	1.0000	28.62	
71.5	426,191	806	0.0019	0.9981	28.62	
72.5	425,385	2,422	0.0057	0.9943	28.57	
73.5	422,963	47,679	0.1127	0.8873	28.40	
74.5	374,524	701	0.0019	0.9981	25.20	
75.5	373,601	22,524	0.0603	0.9397	25.15	
76.5	351,077		0.0000	1.0000	23.64	
77.5	351,077		0.0000	1.0000	23.64	
78.5	351,077		0.0000	1.0000	23.64	

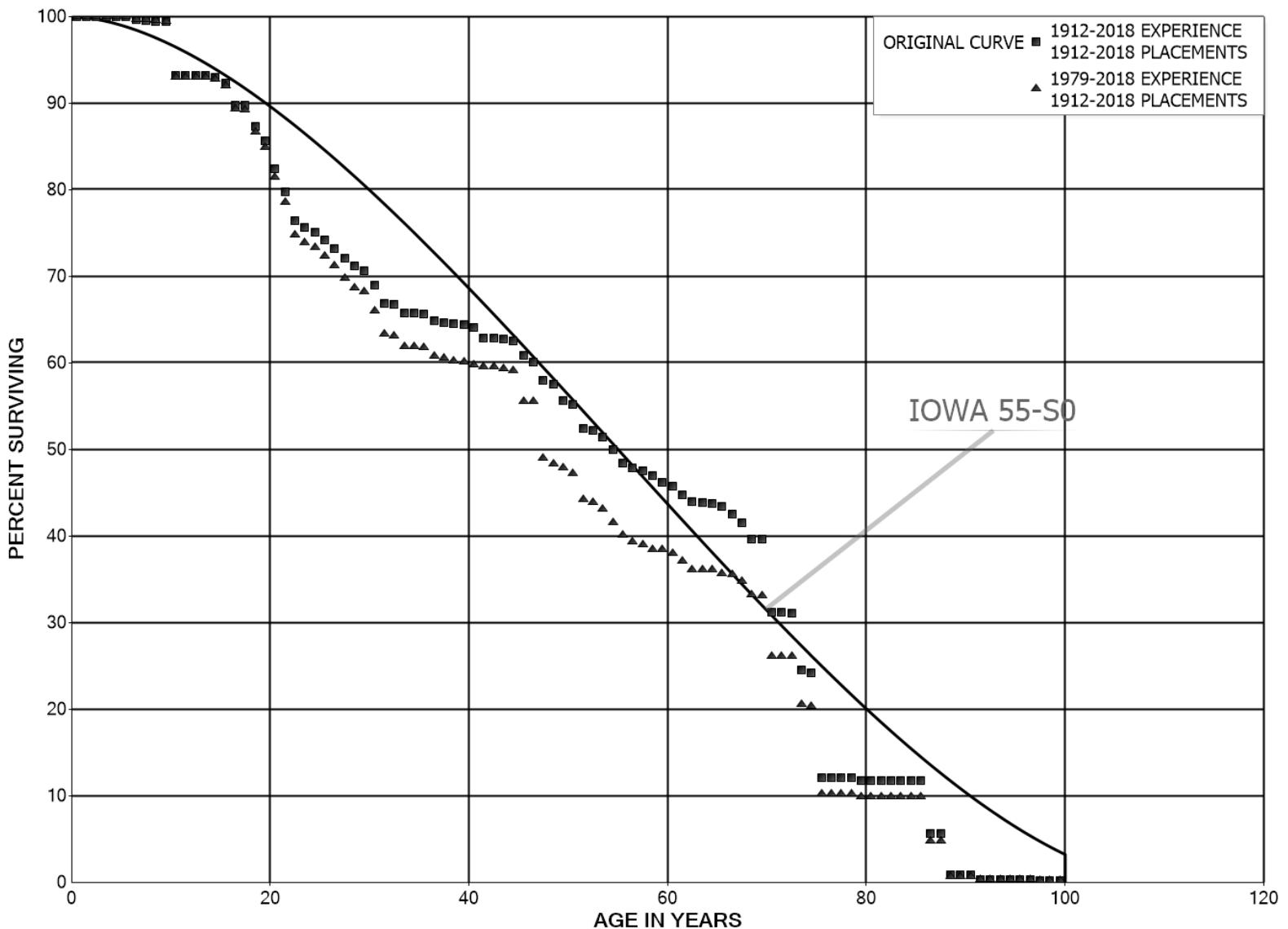
## DUKE ENERGY PROGRESS

## ACCOUNT 334 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2017			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	351,077	1,738	0.0049	0.9951	23.64
80.5	349,339	37,466	0.1072	0.8928	23.52
81.5	311,873		0.0000	1.0000	21.00
82.5	311,873	5,819	0.0187	0.9813	21.00
83.5	306,054	3,271	0.0107	0.9893	20.61
84.5	302,782	3,271	0.0108	0.9892	20.39
85.5	299,511		0.0000	1.0000	20.17
86.5	299,511		0.0000	1.0000	20.17
87.5	299,511	161,910	0.5406	0.4594	20.17
88.5	137,602		0.0000	1.0000	9.26
89.5	136,642	406	0.0030	0.9970	9.26
90.5	22,607		0.0000	1.0000	9.24
91.5	22,607	1,254	0.0555	0.9445	9.24
92.5	21,352		0.0000	1.0000	8.72
93.5	20,708		0.0000	1.0000	8.72
94.5	20,708		0.0000	1.0000	8.72
95.5	20,708		0.0000	1.0000	8.72
96.5	20,708	1,014	0.0490	0.9510	8.72
97.5	19,694		0.0000	1.0000	8.30
98.5	19,694		0.0000	1.0000	8.30
99.5	19,694		0.0000	1.0000	8.30
100.5	19,694		0.0000	1.0000	8.30
101.5	19,210		0.0000	1.0000	8.30
102.5	19,210		0.0000	1.0000	8.30
103.5	19,210		0.0000	1.0000	8.30
104.5	19,001	169	0.0089	0.9911	8.30
105.5	16,729	8,637	0.5163	0.4837	8.22
106.5					3.98

DUKE ENERGY PROGRESS  
ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	5,663,563	190	0.0000	1.0000	100.00
0.5	4,974,728	1,005	0.0002	0.9998	100.00
1.5	4,891,243		0.0000	1.0000	99.98
2.5	4,463,051	1,541	0.0003	0.9997	99.98
3.5	4,449,948		0.0000	1.0000	99.94
4.5	4,353,135	1,687	0.0004	0.9996	99.94
5.5	4,210,460	12,620	0.0030	0.9970	99.90
6.5	4,009,084	1,978	0.0005	0.9995	99.60
7.5	3,895,339	6,268	0.0016	0.9984	99.55
8.5	3,787,346	1,998	0.0005	0.9995	99.39
9.5	3,603,519	224,176	0.0622	0.9378	99.34
10.5	3,330,546		0.0000	1.0000	93.16
11.5	3,246,928	930	0.0003	0.9997	93.16
12.5	3,174,216		0.0000	1.0000	93.14
13.5	2,976,963	4,728	0.0016	0.9984	93.14
14.5	2,696,462	21,316	0.0079	0.9921	92.99
15.5	1,955,774	53,315	0.0273	0.9727	92.25
16.5	1,891,074	1,284	0.0007	0.9993	89.74
17.5	1,890,332	50,730	0.0268	0.9732	89.68
18.5	1,600,410	29,916	0.0187	0.9813	87.27
19.5	1,397,257	52,501	0.0376	0.9624	85.64
20.5	1,337,905	43,189	0.0323	0.9677	82.42
21.5	1,072,054	45,175	0.0421	0.9579	79.76
22.5	1,019,040	10,810	0.0106	0.9894	76.40
23.5	1,004,218	6,951	0.0069	0.9931	75.59
24.5	896,703	10,269	0.0115	0.9885	75.07
25.5	842,294	11,890	0.0141	0.9859	74.21
26.5	493,266	7,612	0.0154	0.9846	73.16
27.5	484,125	5,896	0.0122	0.9878	72.03
28.5	473,070	3,423	0.0072	0.9928	71.15
29.5	455,324	11,106	0.0244	0.9756	70.64
30.5	444,218	13,163	0.0296	0.9704	68.91
31.5	390,122	918	0.0024	0.9976	66.87
32.5	388,922	5,894	0.0152	0.9848	66.71
33.5	351,759	118	0.0003	0.9997	65.70
34.5	336,558	236	0.0007	0.9993	65.68
35.5	334,903	4,267	0.0127	0.9873	65.64
36.5	326,697	678	0.0021	0.9979	64.80
37.5	323,686	960	0.0030	0.9970	64.67
38.5	321,386	396	0.0012	0.9988	64.47

## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1912-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
39.5	319,388	1,445	0.0045	0.9955	64.39
40.5	316,506	6,076	0.0192	0.9808	64.10
41.5	309,564	219	0.0007	0.9993	62.87
42.5	309,345	748	0.0024	0.9976	62.83
43.5	306,804	866	0.0028	0.9972	62.68
44.5	149,894	4,012	0.0268	0.9732	62.50
45.5	139,213	1,647	0.0118	0.9882	60.83
46.5	137,273	4,867	0.0355	0.9645	60.11
47.5	128,452	1,028	0.0080	0.9920	57.97
48.5	126,610	4,235	0.0334	0.9666	57.51
49.5	122,375	841	0.0069	0.9931	55.59
50.5	120,827	6,060	0.0502	0.9498	55.21
51.5	113,623	519	0.0046	0.9954	52.44
52.5	113,104	1,722	0.0152	0.9848	52.20
53.5	110,924	3,167	0.0285	0.9715	51.40
54.5	107,757	3,208	0.0298	0.9702	49.93
55.5	104,549	1,413	0.0135	0.9865	48.45
56.5	103,137	633	0.0061	0.9939	47.79
57.5	102,504	1,163	0.0113	0.9887	47.50
58.5	101,341	1,630	0.0161	0.9839	46.96
59.5	99,711	980	0.0098	0.9902	46.21
60.5	98,731	2,194	0.0222	0.9778	45.75
61.5	96,536	1,819	0.0188	0.9812	44.73
62.5	94,717	75	0.0008	0.9992	43.89
63.5	94,642	172	0.0018	0.9982	43.86
64.5	94,471	885	0.0094	0.9906	43.78
65.5	93,586	1,971	0.0211	0.9789	43.37
66.5	91,615	2,110	0.0230	0.9770	42.45
67.5	89,505	3,925	0.0438	0.9562	41.48
68.5	85,580	194	0.0023	0.9977	39.66
69.5	85,386	18,200	0.2131	0.7869	39.57
70.5	67,186		0.0000	1.0000	31.13
71.5	67,186	31	0.0005	0.9995	31.13
72.5	67,155	14,264	0.2124	0.7876	31.12
73.5	52,891	718	0.0136	0.9864	24.51
74.5	52,173	26,048	0.4993	0.5007	24.18
75.5	26,125		0.0000	1.0000	12.11
76.5	26,125		0.0000	1.0000	12.11
77.5	26,125		0.0000	1.0000	12.11
78.5	26,125	724	0.0277	0.9723	12.11

## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2018			EXPERIENCE BAND 1912-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	25,401		0.0000	1.0000	11.77
80.5	25,401		0.0000	1.0000	11.77
81.5	25,401		0.0000	1.0000	11.77
82.5	25,401	7	0.0003	0.9997	11.77
83.5	25,394	40	0.0016	0.9984	11.77
84.5	25,354		0.0000	1.0000	11.75
85.5	25,354	13,227	0.5217	0.4783	11.75
86.5	12,127		0.0000	1.0000	5.62
87.5	12,127	10,441	0.8610	0.1390	5.62
88.5	1,686		0.0000	1.0000	0.78
89.5	1,686		0.0000	1.0000	0.78
90.5	1,686	953	0.5652	0.4348	0.78
91.5	733		0.0000	1.0000	0.34
92.5	733		0.0000	1.0000	0.34
93.5	733		0.0000	1.0000	0.34
94.5	733		0.0000	1.0000	0.34
95.5	733		0.0000	1.0000	0.34
96.5	733	256	0.3492	0.6508	0.34
97.5	477		0.0000	1.0000	0.22
98.5	477		0.0000	1.0000	0.22
99.5	477		0.0000	1.0000	0.22
100.5	477		0.0000	1.0000	0.22
101.5	477		0.0000	1.0000	0.22
102.5	477		0.0000	1.0000	0.22
103.5	477	477	1.0000		0.22
104.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	EXPERIENCE BAND 1979-2018
0.0	5,403,425		0.0000	1.0000	100.00	
0.5	4,716,841	1,005	0.0002	0.9998	100.00	
1.5	4,642,010		0.0000	1.0000	99.98	
2.5	4,222,445		0.0000	1.0000	99.98	
3.5	4,216,056		0.0000	1.0000	99.98	
4.5	4,145,316	1,687	0.0004	0.9996	99.98	
5.5	4,021,088	11,280	0.0028	0.9972	99.94	
6.5	3,822,721	1,469	0.0004	0.9996	99.66	
7.5	3,727,700	6,268	0.0017	0.9983	99.62	
8.5	3,621,843	1,998	0.0006	0.9994	99.45	
9.5	3,443,198	224,162	0.0651	0.9349	99.40	
10.5	3,176,850		0.0000	1.0000	92.93	
11.5	3,098,121	930	0.0003	0.9997	92.93	
12.5	3,025,818		0.0000	1.0000	92.90	
13.5	2,833,463	4,728	0.0017	0.9983	92.90	
14.5	2,555,430	21,316	0.0083	0.9917	92.74	
15.5	1,816,352	53,315	0.0294	0.9706	91.97	
16.5	1,751,786	1,105	0.0006	0.9994	89.27	
17.5	1,754,861	50,532	0.0288	0.9712	89.21	
18.5	1,472,364	29,916	0.0203	0.9797	86.64	
19.5	1,273,918	52,501	0.0412	0.9588	84.88	
20.5	1,215,907	43,189	0.0355	0.9645	81.39	
21.5	950,851	45,175	0.0475	0.9525	78.50	
22.5	897,884	10,710	0.0119	0.9881	74.77	
23.5	883,359	6,951	0.0079	0.9921	73.87	
24.5	777,772	10,269	0.0132	0.9868	73.29	
25.5	723,749	11,890	0.0164	0.9836	72.32	
26.5	375,203	7,612	0.0203	0.9797	71.14	
27.5	367,027	5,727	0.0156	0.9844	69.69	
28.5	356,257	2,524	0.0071	0.9929	68.61	
29.5	342,351	11,106	0.0324	0.9676	68.12	
30.5	334,033	13,163	0.0394	0.9606	65.91	
31.5	281,543	918	0.0033	0.9967	63.31	
32.5	280,354	5,571	0.0199	0.9801	63.11	
33.5	243,651	118	0.0005	0.9995	61.85	
34.5	228,449	236	0.0010	0.9990	61.82	
35.5	226,967	3,957	0.0174	0.9826	61.76	
36.5	220,427	678	0.0031	0.9969	60.68	
37.5	217,866	960	0.0044	0.9956	60.50	
38.5	215,566	396	0.0018	0.9982	60.23	

## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

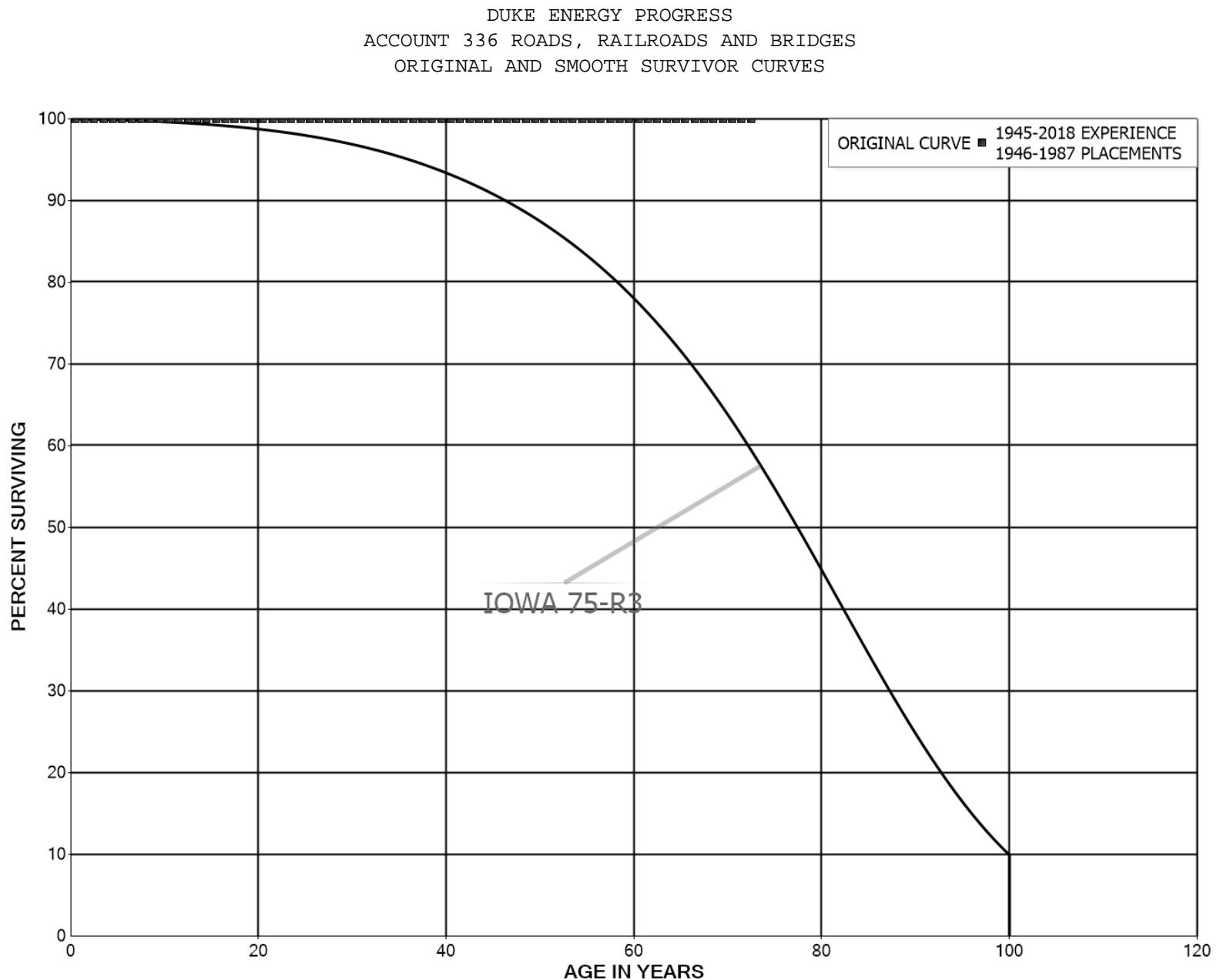
PLACEMENT BAND 1912-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	213,568	1,445	0.0068	0.9932	60.12
40.5	211,074	592	0.0028	0.9972	59.71
41.5	210,437	219	0.0010	0.9990	59.54
42.5	210,218	748	0.0036	0.9964	59.48
43.5	207,676	766	0.0037	0.9963	59.27
44.5	50,867	3,029	0.0595	0.9405	59.05
45.5	41,168		0.0000	1.0000	55.53
46.5	40,915	4,867	0.1190	0.8810	55.53
47.5	32,125	397	0.0124	0.9876	48.93
48.5	58,292	559	0.0096	0.9904	48.32
49.5	57,747	841	0.0146	0.9854	47.86
50.5	94,830	6,060	0.0639	0.9361	47.16
51.5	87,627	519	0.0059	0.9941	44.15
52.5	87,108	1,722	0.0198	0.9802	43.89
53.5	84,928	2,962	0.0349	0.9651	43.02
54.5	81,966	2,938	0.0358	0.9642	41.52
55.5	79,028	1,413	0.0179	0.9821	40.03
56.5	77,615	633	0.0082	0.9918	39.32
57.5	76,982	1,163	0.0151	0.9849	39.00
58.5	75,819	7	0.0001	0.9999	38.41
59.5	76,499	793	0.0104	0.9896	38.40
60.5	75,706	1,954	0.0258	0.9742	38.00
61.5	73,752	1,819	0.0247	0.9753	37.02
62.5	71,933		0.0000	1.0000	36.11
63.5	71,933	172	0.0024	0.9976	36.11
64.5	71,761	885	0.0123	0.9877	36.02
65.5	70,876	97	0.0014	0.9986	35.58
66.5	91,615	2,110	0.0230	0.9770	35.53
67.5	89,505	3,925	0.0438	0.9562	34.71
68.5	85,580	194	0.0023	0.9977	33.19
69.5	85,386	18,200	0.2131	0.7869	33.12
70.5	67,186		0.0000	1.0000	26.06
71.5	67,186	31	0.0005	0.9995	26.06
72.5	67,155	14,264	0.2124	0.7876	26.04
73.5	52,891	718	0.0136	0.9864	20.51
74.5	52,173	26,048	0.4993	0.5007	20.23
75.5	26,125		0.0000	1.0000	10.13
76.5	26,125		0.0000	1.0000	10.13
77.5	26,125		0.0000	1.0000	10.13
78.5	26,125	724	0.0277	0.9723	10.13

## DUKE ENERGY PROGRESS

## ACCOUNT 335 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	25,401		0.0000	1.0000	9.85
80.5	25,401		0.0000	1.0000	9.85
81.5	25,401		0.0000	1.0000	9.85
82.5	25,401	7	0.0003	0.9997	9.85
83.5	25,394	40	0.0016	0.9984	9.85
84.5	25,354		0.0000	1.0000	9.83
85.5	25,354	13,227	0.5217	0.4783	9.83
86.5	12,127		0.0000	1.0000	4.70
87.5	12,127	10,441	0.8610	0.1390	4.70
88.5	1,686		0.0000	1.0000	0.65
89.5	1,686		0.0000	1.0000	0.65
90.5	1,686	953	0.5652	0.4348	0.65
91.5	733		0.0000	1.0000	0.28
92.5	733		0.0000	1.0000	0.28
93.5	733		0.0000	1.0000	0.28
94.5	733		0.0000	1.0000	0.28
95.5	733		0.0000	1.0000	0.28
96.5	733	256	0.3492	0.6508	0.28
97.5	477		0.0000	1.0000	0.18
98.5	477		0.0000	1.0000	0.18
99.5	477		0.0000	1.0000	0.18
100.5	477		0.0000	1.0000	0.18
101.5	477		0.0000	1.0000	0.18
102.5	477		0.0000	1.0000	0.18
103.5	477	477	1.0000		0.18
104.5					



## DUKE ENERGY PROGRESS

ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

## ORIGINAL LIFE TABLE

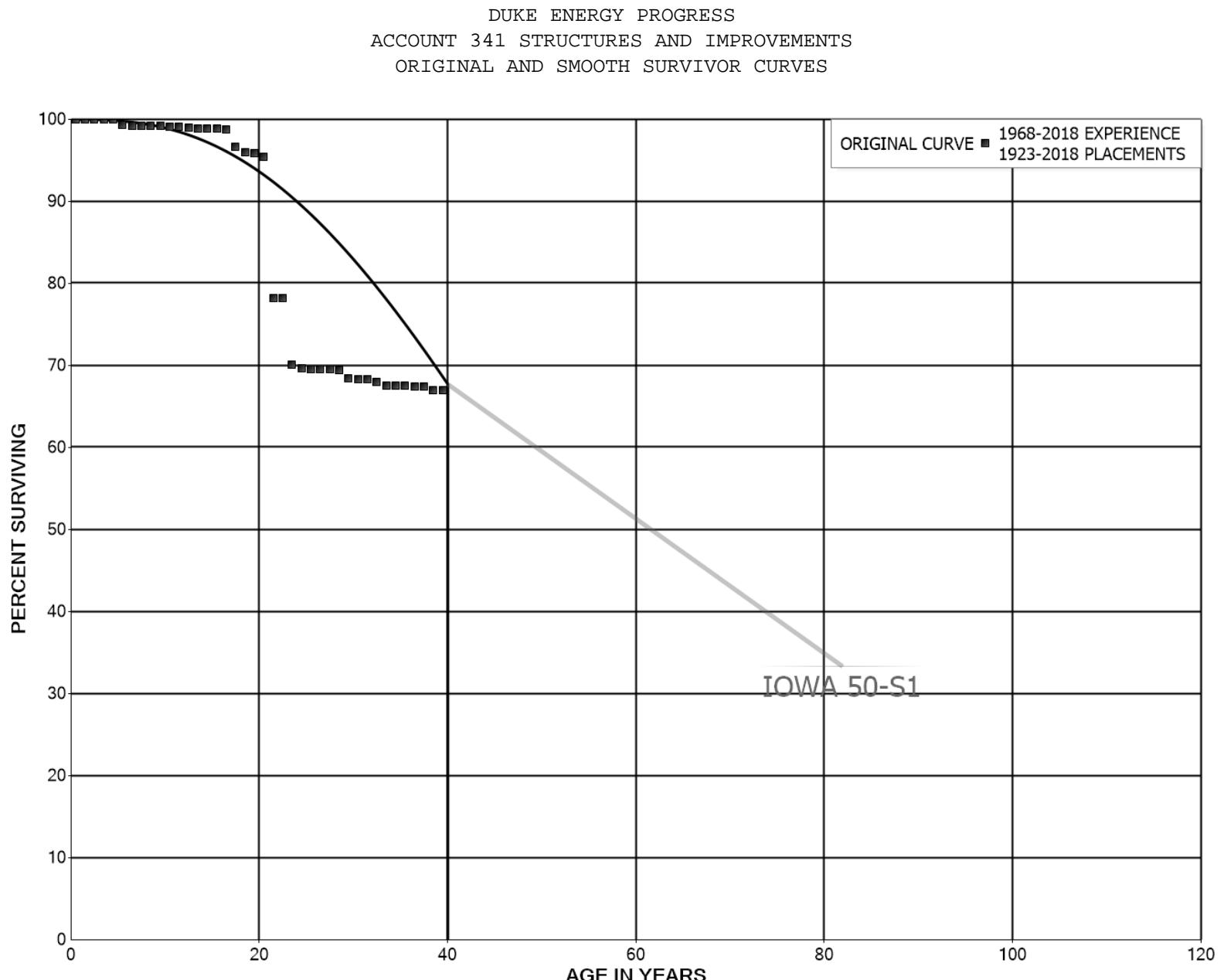
PLACEMENT BAND 1946-1987		EXPERIENCE BAND 1945-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	17,671		0.0000	1.0000	100.00
0.5	17,671		0.0000	1.0000	100.00
1.5	17,671		0.0000	1.0000	100.00
2.5	17,671		0.0000	1.0000	100.00
3.5	17,671		0.0000	1.0000	100.00
4.5	17,671		0.0000	1.0000	100.00
5.5	17,686		0.0000	1.0000	100.00
6.5	17,905		0.0000	1.0000	100.00
7.5	21,205		0.0000	1.0000	100.00
8.5	21,205		0.0000	1.0000	100.00
9.5	21,205		0.0000	1.0000	100.00
10.5	21,205		0.0000	1.0000	100.00
11.5	21,205		0.0000	1.0000	100.00
12.5	21,205		0.0000	1.0000	100.00
13.5	21,205		0.0000	1.0000	100.00
14.5	21,205		0.0000	1.0000	100.00
15.5	21,205		0.0000	1.0000	100.00
16.5	21,205		0.0000	1.0000	100.00
17.5	21,205		0.0000	1.0000	100.00
18.5	21,205		0.0000	1.0000	100.00
19.5	21,205		0.0000	1.0000	100.00
20.5	21,205		0.0000	1.0000	100.00
21.5	21,205		0.0000	1.0000	100.00
22.5	21,205		0.0000	1.0000	100.00
23.5	21,205		0.0000	1.0000	100.00
24.5	21,205		0.0000	1.0000	100.00
25.5	21,205		0.0000	1.0000	100.00
26.5	21,205		0.0000	1.0000	100.00
27.5	21,205		0.0000	1.0000	100.00
28.5	21,205		0.0000	1.0000	100.00
29.5	21,205		0.0000	1.0000	100.00
30.5	21,205		0.0000	1.0000	100.00
31.5	21,166		0.0000	1.0000	100.00
32.5	20,584		0.0000	1.0000	100.00
33.5	8,258		0.0000	1.0000	100.00
34.5	8,258		0.0000	1.0000	100.00
35.5	8,258		0.0000	1.0000	100.00
36.5	8,258		0.0000	1.0000	100.00
37.5	8,258		0.0000	1.0000	100.00
38.5	8,258		0.0000	1.0000	100.00

## DUKE ENERGY PROGRESS

ACCOUNT 336 ROADS, RAILROADS AND BRIDGES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1946-1987			EXPERIENCE BAND 1945-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	8,258		0.0000	1.0000	100.00
40.5	8,258		0.0000	1.0000	100.00
41.5	8,258		0.0000	1.0000	100.00
42.5	8,258		0.0000	1.0000	100.00
43.5	8,258		0.0000	1.0000	100.00
44.5	8,258		0.0000	1.0000	100.00
45.5	8,258		0.0000	1.0000	100.00
46.5	8,258		0.0000	1.0000	100.00
47.5	8,258		0.0000	1.0000	100.00
48.5	8,258		0.0000	1.0000	100.00
49.5	8,258		0.0000	1.0000	100.00
50.5	8,258		0.0000	1.0000	100.00
51.5	8,258		0.0000	1.0000	100.00
52.5	8,258		0.0000	1.0000	100.00
53.5	8,258		0.0000	1.0000	100.00
54.5	8,258		0.0000	1.0000	100.00
55.5	8,258		0.0000	1.0000	100.00
56.5	8,258		0.0000	1.0000	100.00
57.5	8,258		0.0000	1.0000	100.00
58.5	8,258		0.0000	1.0000	100.00
59.5	8,258		0.0000	1.0000	100.00
60.5	8,258		0.0000	1.0000	100.00
61.5	8,258		0.0000	1.0000	100.00
62.5	8,258		0.0000	1.0000	100.00
63.5	8,258		0.0000	1.0000	100.00
64.5	8,258		0.0000	1.0000	100.00
65.5	8,258		0.0000	1.0000	100.00
66.5	8,258		0.0000	1.0000	100.00
67.5	8,258		0.0000	1.0000	100.00
68.5	8,258		0.0000	1.0000	100.00
69.5	8,258		0.0000	1.0000	100.00
70.5	8,258		0.0000	1.0000	100.00
71.5	8,258		0.0000	1.0000	100.00
72.5					100.00



## DUKE ENERGY PROGRESS

## ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1968-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	204,623,957		0.0000	1.0000	100.00
0.5	203,370,528	11,625	0.0001	0.9999	100.00
1.5	198,671,862	18,072	0.0001	0.9999	99.99
2.5	193,830,567	52,500	0.0003	0.9997	99.99
3.5	192,311,509	61,670	0.0003	0.9997	99.96
4.5	191,487,506	1,263,159	0.0066	0.9934	99.93
5.5	176,008,416	72,163	0.0004	0.9996	99.27
6.5	159,466,585	2,074	0.0000	1.0000	99.23
7.5	118,852,663	2,074	0.0000	1.0000	99.22
8.5	118,563,071	32,074	0.0003	0.9997	99.22
9.5	116,102,209	125,294	0.0011	0.9989	99.20
10.5	115,907,066	6,068	0.0001	0.9999	99.09
11.5	115,542,038	166,767	0.0014	0.9986	99.08
12.5	115,316,191	62,883	0.0005	0.9995	98.94
13.5	115,264,085	4,352	0.0000	1.0000	98.89
14.5	114,602,832	50,225	0.0004	0.9996	98.88
15.5	112,665,023	76,027	0.0007	0.9993	98.84
16.5	64,497,831	1,442,714	0.0224	0.9776	98.77
17.5	52,508,426	330,727	0.0063	0.9937	96.56
18.5	43,786,677	31,890	0.0007	0.9993	95.96
19.5	16,079,563	84,472	0.0053	0.9947	95.89
20.5	13,071,562	2,357,997	0.1804	0.8196	95.38
21.5	10,936,895	5,378	0.0005	0.9995	78.18
22.5	10,757,886	1,113,711	0.1035	0.8965	78.14
23.5	9,644,175	66,108	0.0069	0.9931	70.05
24.5	9,353,648	10,268	0.0011	0.9989	69.57
25.5	8,509,407		0.0000	1.0000	69.49
26.5	8,512,104		0.0000	1.0000	69.49
27.5	8,418,561	12,441	0.0015	0.9985	69.49
28.5	8,280,395	122,491	0.0148	0.9852	69.39
29.5	8,171,502	7,985	0.0010	0.9990	68.36
30.5	9,207,986		0.0000	1.0000	68.30
31.5	9,185,097	50,012	0.0054	0.9946	68.30
32.5	9,135,856	49,389	0.0054	0.9946	67.92
33.5	11,171,525	389	0.0000	1.0000	67.56
34.5	12,463,731	15,475	0.0012	0.9988	67.55
35.5	11,116,250	6,549	0.0006	0.9994	67.47
36.5	7,624,104	4,287	0.0006	0.9994	67.43
37.5	7,865,352	55,285	0.0070	0.9930	67.39
38.5	7,552,638		0.0000	1.0000	66.92

## DUKE ENERGY PROGRESS

## ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018			EXPERIENCE BAND 1968-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	5,371,010	133,895	0.0249	0.9751	66.92
40.5	5,209,833	14,592	0.0028	0.9972	65.25
41.5	4,553,496	118,235	0.0260	0.9740	65.07
42.5	4,574,589		0.0000	1.0000	63.38
43.5	4,199,698	64,529	0.0154	0.9846	63.38
44.5	2,651,795		0.0000	1.0000	62.40
45.5	2,420,878		0.0000	1.0000	62.40
46.5	2,414,378		0.0000	1.0000	62.40
47.5	1,177,240		0.0000	1.0000	62.40
48.5	46,065		0.0000	1.0000	62.40
49.5	233,087		0.0000	1.0000	62.40
50.5	2,109,795		0.0000	1.0000	62.40
51.5	2,109,795		0.0000	1.0000	62.40
52.5	2,109,795		0.0000	1.0000	62.40
53.5	2,109,795		0.0000	1.0000	62.40
54.5	2,149,237		0.0000	1.0000	62.40
55.5	1,876,855		0.0000	1.0000	62.40
56.5	726,634		0.0000	1.0000	62.40
57.5	474,879		0.0000	1.0000	62.40
58.5	474,879		0.0000	1.0000	62.40
59.5	483,125		0.0000	1.0000	62.40
60.5	488,256		0.0000	1.0000	62.40
61.5	1,022,199		0.0000	1.0000	62.40
62.5	1,222,487		0.0000	1.0000	62.40
63.5	767,229		0.0000	1.0000	62.40
64.5	747,755		0.0000	1.0000	62.40
65.5	845,134		0.0000	1.0000	62.40
66.5	734,378		0.0000	1.0000	62.40
67.5	200,288		0.0000	1.0000	62.40
68.5	200,288		0.0000	1.0000	62.40
69.5					62.40
70.5	21,358		0.0000		
71.5					
72.5					
73.5					
74.5					
75.5					
76.5					
77.5					
78.5					

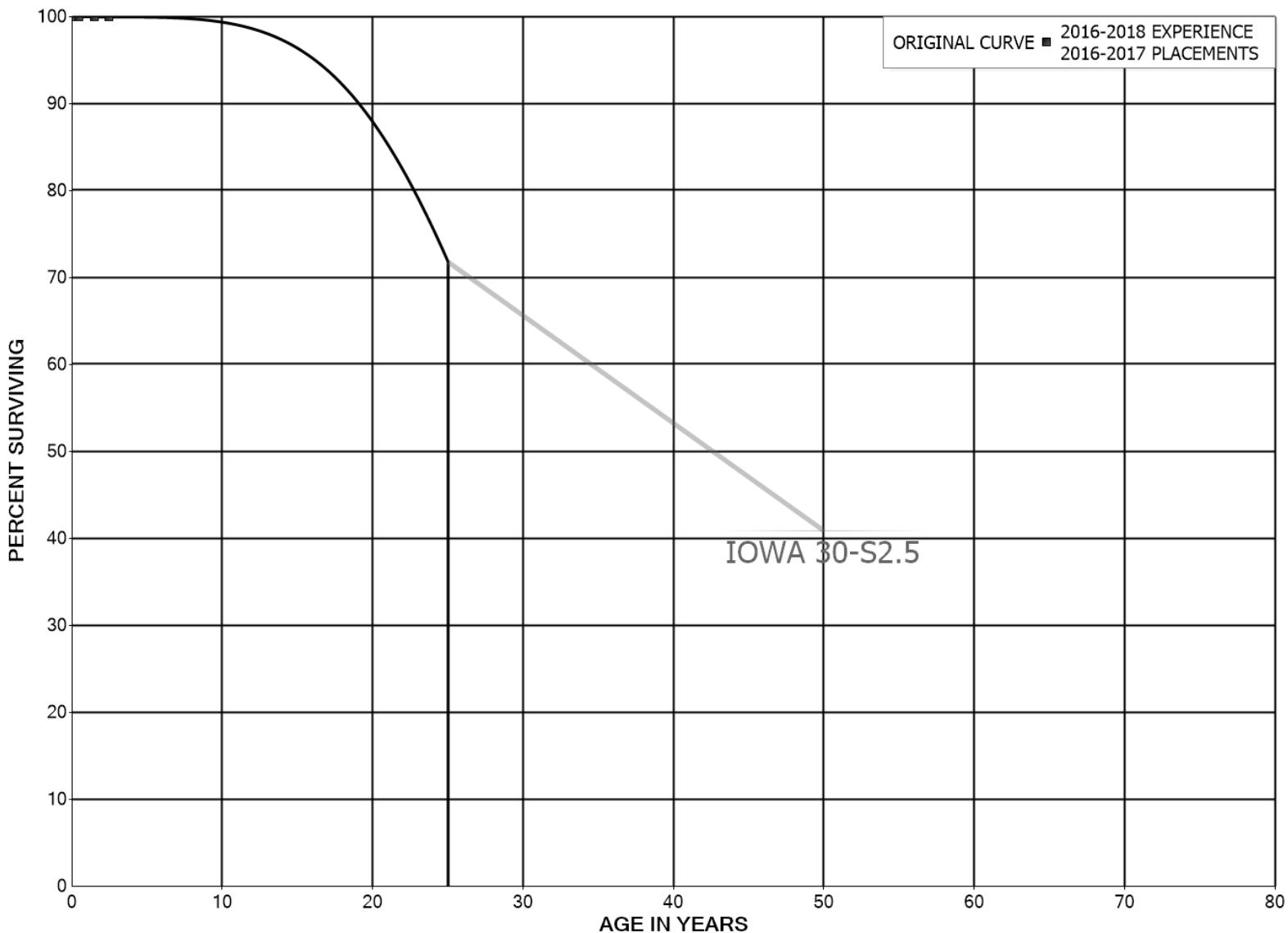
## DUKE ENERGY PROGRESS

## ACCOUNT 341 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1968-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5					
80.5					
81.5					
82.5					
83.5					
84.5					
85.5					
86.5	1,348	0.0000			
87.5					
88.5	15,004	0.0000			
89.5	16,753	0.0000			
90.5					

DUKE ENERGY PROGRESS  
ACCOUNT 341.2 STRUCTURES AND IMPROVEMENTS - SOLAR  
ORIGINAL AND SMOOTH SURVIVOR CURVES



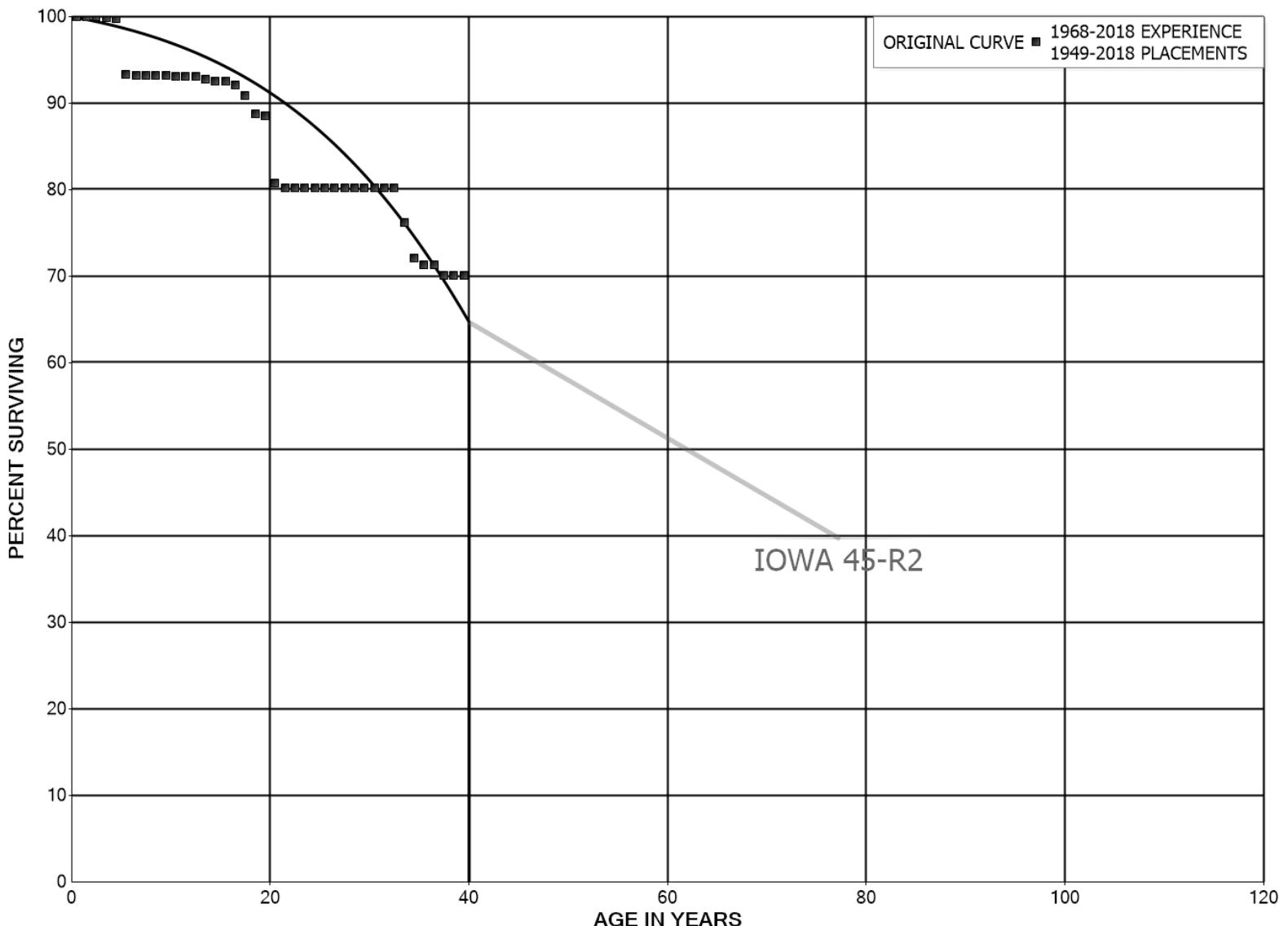
## DUKE ENERGY PROGRESS

ACCOUNT 341.2 STRUCTURES AND IMPROVEMENTS - SOLAR

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2016-2017		EXPERIENCE BAND 2016-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	34,014		0.0000	1.0000	100.00
0.5	34,014		0.0000	1.0000	100.00
1.5	7,883		0.0000	1.0000	100.00
2.5					100.00

DUKE ENERGY PROGRESS  
ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1949-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	135,352,049		0.0000	1.0000	100.00
0.5	127,504,087		0.0000	1.0000	100.00
1.5	122,828,989	42,997	0.0004	0.9996	100.00
2.5	121,130,411	106,128	0.0009	0.9991	99.96
3.5	118,975,959	116,262	0.0010	0.9990	99.88
4.5	118,712,086	7,675,177	0.0647	0.9353	99.78
5.5	97,956,650	106,104	0.0011	0.9989	93.33
6.5	72,827,259	19,466	0.0003	0.9997	93.23
7.5	50,080,075	12,512	0.0002	0.9998	93.20
8.5	49,862,525	30,732	0.0006	0.9994	93.18
9.5	46,959,556	14,500	0.0003	0.9997	93.12
10.5	46,945,056	1,175	0.0000	1.0000	93.09
11.5	46,943,880	2,677	0.0001	0.9999	93.09
12.5	47,084,997	184,730	0.0039	0.9961	93.09
13.5	46,850,882	85,554	0.0018	0.9982	92.72
14.5	44,376,215		0.0000	1.0000	92.55
15.5	43,954,564	208,566	0.0047	0.9953	92.55
16.5	30,539,068	413,162	0.0135	0.9865	92.11
17.5	22,588,548	538,257	0.0238	0.9762	90.87
18.5	16,299,266	31,197	0.0019	0.9981	88.70
19.5	13,090,896	1,150,431	0.0879	0.9121	88.53
20.5	10,730,470	72,213	0.0067	0.9933	80.75
21.5	10,651,951		0.0000	1.0000	80.21
22.5	10,651,951		0.0000	1.0000	80.21
23.5	10,503,351		0.0000	1.0000	80.21
24.5	10,435,460		0.0000	1.0000	80.21
25.5	10,414,591		0.0000	1.0000	80.21
26.5	10,415,723	0	0.0000	1.0000	80.21
27.5	10,399,725	6,053	0.0006	0.9994	80.21
28.5	10,393,671	2,100	0.0002	0.9998	80.16
29.5	10,392,658	262	0.0000	1.0000	80.14
30.5	10,440,425	0	0.0000	1.0000	80.14
31.5	10,440,425	770	0.0001	0.9999	80.14
32.5	10,439,656	511,518	0.0490	0.9510	80.14
33.5	9,928,138	543,015	0.0547	0.9453	76.21
34.5	9,366,868	103,548	0.0111	0.9889	72.04
35.5	3,421,609	10	0.0000	1.0000	71.25
36.5	1,462,858	23,192	0.0159	0.9841	71.25
37.5	1,380,821	758	0.0005	0.9995	70.12
38.5	1,375,948	100	0.0001	0.9999	70.08

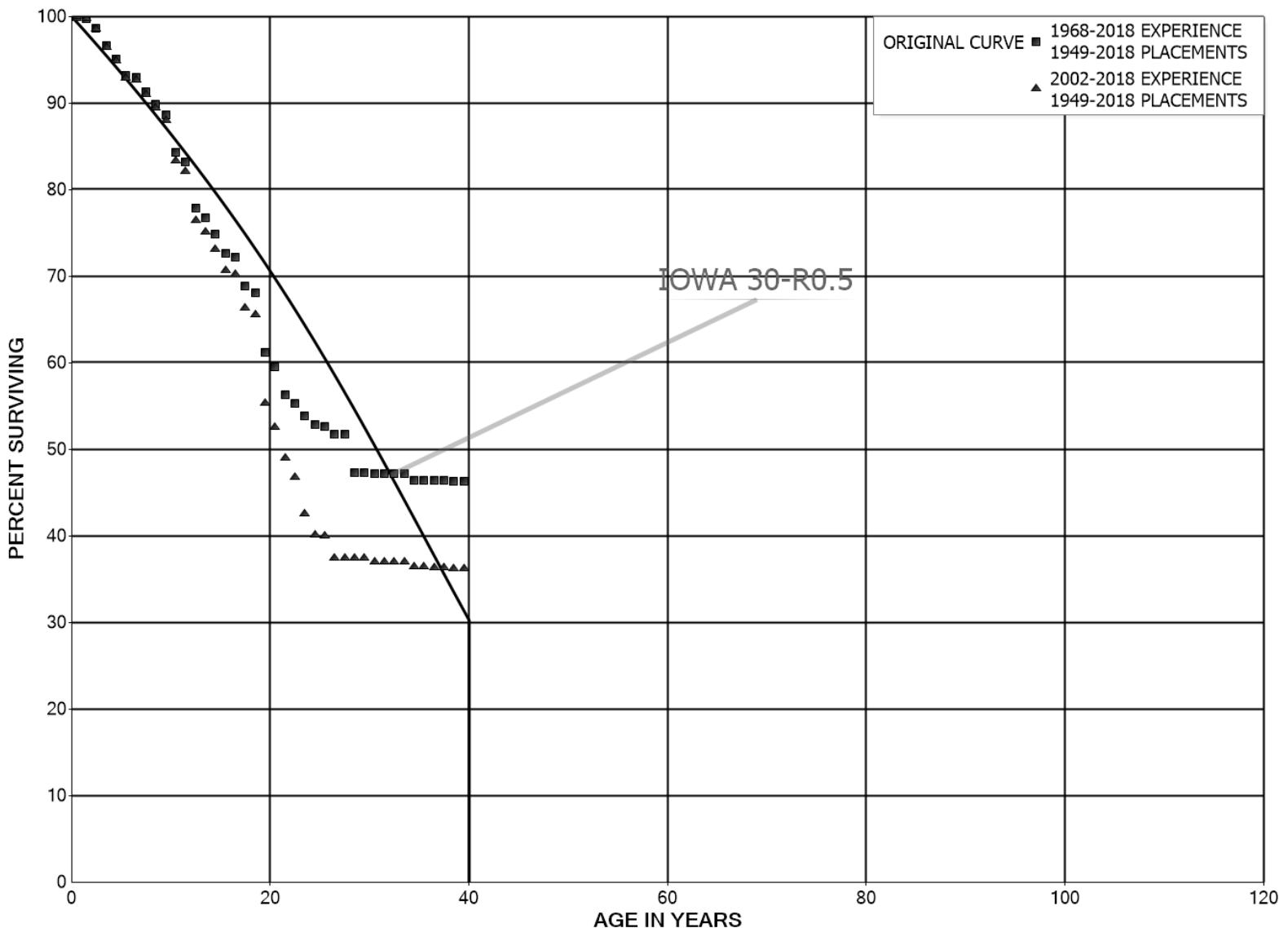
## DUKE ENERGY PROGRESS

ACCOUNT 342 FUEL HOLDERS, PRODUCERS AND ACCESSORIES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1949-2018		EXPERIENCE BAND 1968-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,355,250	18,317	0.0135	0.9865	70.07
40.5	1,336,934	46,888	0.0351	0.9649	69.12
41.5	1,056,220		0.0000	1.0000	66.70
42.5	1,006,445		0.0000	1.0000	66.70
43.5	954,565	23,996	0.0251	0.9749	66.70
44.5	810,941		0.0000	1.0000	65.02
45.5	607,275		0.0000	1.0000	65.02
46.5	605,744		0.0000	1.0000	65.02
47.5	279,708	6,342	0.0227	0.9773	65.02
48.5	25,855		0.0000	1.0000	63.55
49.5					63.55
50.5					
51.5					
52.5					
53.5					
54.5					
55.5					
56.5					
57.5					
58.5					
59.5					
60.5					
61.5					
62.5	18,653		0.0000		
63.5	18,653		0.0000		
64.5	18,653		0.0000		
65.5	18,653		0.0000		
66.5	18,653		0.0000		
67.5	18,653		0.0000		
68.5	18,653		0.0000		
69.5					

DUKE ENERGY PROGRESS  
ACCOUNT 343 PRIME MOVERS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 343 PRIME MOVERS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1949-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1968-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	2,198,785,684	517,057	0.0002	0.9998	100.00
0.5	2,088,910,875	5,178,376	0.0025	0.9975	99.98
1.5	1,960,183,509	22,171,606	0.0113	0.9887	99.73
2.5	1,910,030,082	39,397,679	0.0206	0.9794	98.60
3.5	1,824,484,748	29,276,040	0.0160	0.9840	96.57
4.5	1,749,318,289	33,776,942	0.0193	0.9807	95.02
5.5	1,310,753,819	4,109,020	0.0031	0.9969	93.18
6.5	816,282,127	13,705,661	0.0168	0.9832	92.89
7.5	480,103,478	7,697,852	0.0160	0.9840	91.33
8.5	466,894,545	6,604,782	0.0141	0.9859	89.87
9.5	405,928,121	19,700,189	0.0485	0.9515	88.60
10.5	374,379,094	5,124,170	0.0137	0.9863	84.30
11.5	355,694,811	22,562,962	0.0634	0.9366	83.14
12.5	325,627,214	4,969,075	0.0153	0.9847	77.87
13.5	318,449,354	7,854,014	0.0247	0.9753	76.68
14.5	304,005,489	9,006,680	0.0296	0.9704	74.79
15.5	278,836,374	1,390,726	0.0050	0.9950	72.57
16.5	206,506,756	9,759,856	0.0473	0.9527	72.21
17.5	150,958,858	1,531,978	0.0101	0.9899	68.80
18.5	75,719,740	7,730,369	0.1021	0.8979	68.10
19.5	61,976,296	1,706,471	0.0275	0.9725	61.15
20.5	51,740,969	2,758,505	0.0533	0.9467	59.46
21.5	44,131,559	828,148	0.0188	0.9812	56.29
22.5	35,477,191	922,743	0.0260	0.9740	55.24
23.5	32,695,341	571,599	0.0175	0.9825	53.80
24.5	31,100,492	157,061	0.0051	0.9949	52.86
25.5	30,819,087	525,883	0.0171	0.9829	52.59
26.5	30,293,203		0.0000	1.0000	51.70
27.5	30,272,618	2,596,424	0.0858	0.9142	51.70
28.5	25,552,957		0.0000	1.0000	47.26
29.5	25,552,957	55,183	0.0022	0.9978	47.26
30.5	25,480,403		0.0000	1.0000	47.16
31.5	24,260,573	0	0.0000	1.0000	47.16
32.5	24,260,573		0.0000	1.0000	47.16
33.5	24,215,972	366,022	0.0151	0.9849	47.16
34.5	23,741,196	11,894	0.0005	0.9995	46.45
35.5	23,397,489	36,275	0.0016	0.9984	46.42
36.5	23,343,992	2	0.0000	1.0000	46.35
37.5	23,178,716	53,477	0.0023	0.9977	46.35
38.5	23,099,358	4,794	0.0002	0.9998	46.24

## DUKE ENERGY PROGRESS

## ACCOUNT 343 PRIME MOVERS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1949-2018			EXPERIENCE BAND 1968-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	22,482,611	1,276,915	0.0568	0.9432	46.23
40.5	21,159,011		0.0000	1.0000	43.61
41.5	19,687,530	53,382	0.0027	0.9973	43.61
42.5	19,426,022	4,327	0.0002	0.9998	43.49
43.5	19,194,138	833,914	0.0434	0.9566	43.48
44.5	13,985,558		0.0000	1.0000	41.59
45.5	12,844,183	20,716	0.0016	0.9984	41.59
46.5	12,821,705		0.0000	1.0000	41.52
47.5	7,606,812		0.0000	1.0000	41.52
48.5	1,097,911		0.0000	1.0000	41.52
49.5					41.52
50.5					
51.5					
52.5					
53.5					
54.5					
55.5					
56.5	1,475		0.0000		
57.5	1,475		0.0000		
58.5	1,475		0.0000		
59.5	75,771		0.0000		
60.5	75,771		0.0000		
61.5	108,344		0.0000		
62.5	161,465		0.0000		
63.5	159,990		0.0000		
64.5	159,990		0.0000		
65.5	159,990		0.0000		
66.5	85,694		0.0000		
67.5	85,694		0.0000		
68.5	53,121		0.0000		
69.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 343 PRIME MOVERS

## ORIGINAL LIFE TABLE

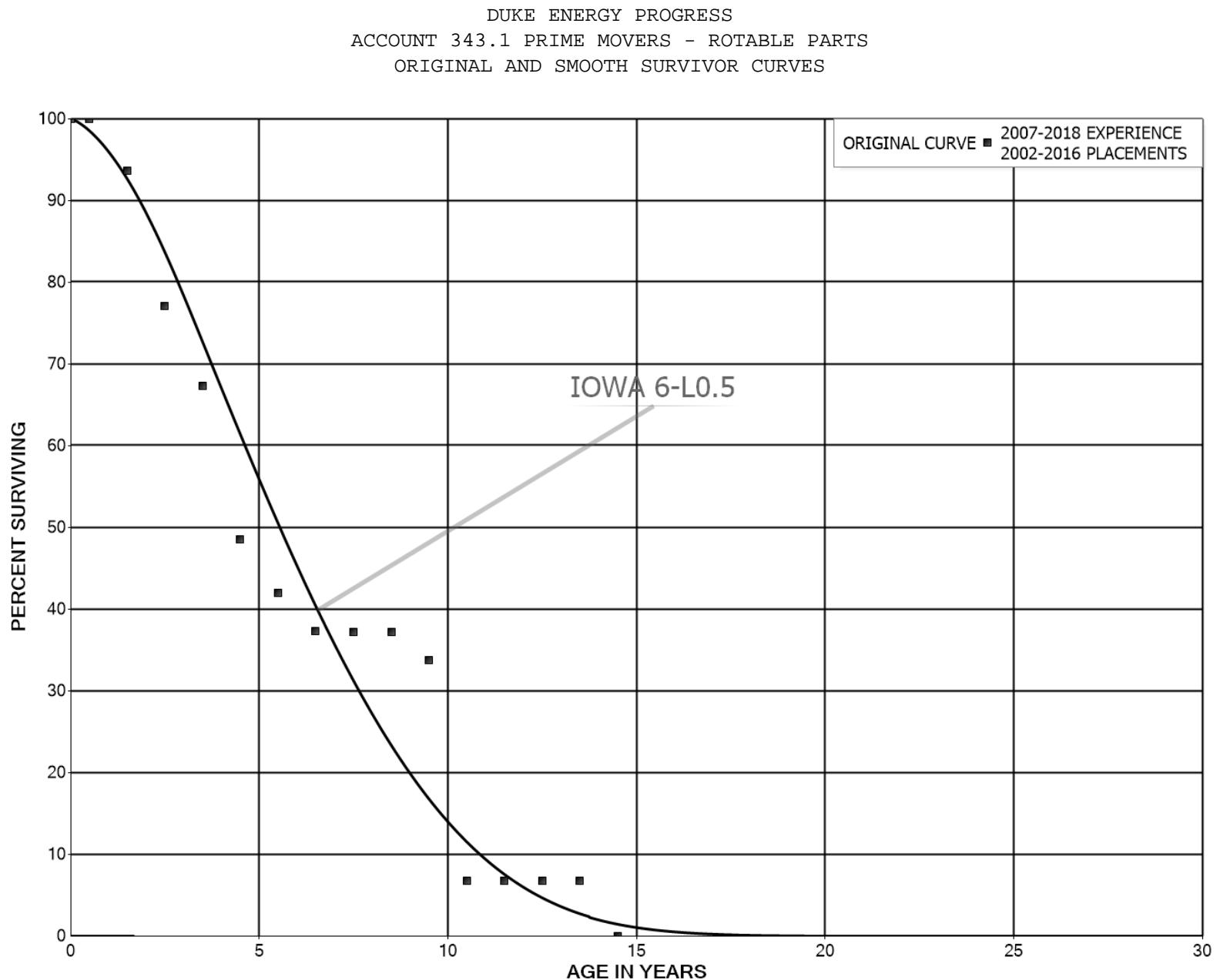
PLACEMENT BAND 1949-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	EXPERIENCE BAND 2002-2018
0.0	1,857,315,357	4,076	0.0000	1.0000	100.00	
0.5	1,852,626,606	5,178,376	0.0028	0.9972	100.00	
1.5	1,845,981,239	22,157,371	0.0120	0.9880	99.72	
2.5	1,815,569,593	39,397,679	0.0217	0.9783	98.52	
3.5	1,759,830,018	29,276,040	0.0166	0.9834	96.39	
4.5	1,688,400,276	33,776,942	0.0200	0.9800	94.78	
5.5	1,264,130,598	4,109,020	0.0033	0.9967	92.89	
6.5	775,522,204	13,705,661	0.0177	0.9823	92.58	
7.5	440,338,858	7,647,852	0.0174	0.9826	90.95	
8.5	427,332,216	6,604,782	0.0155	0.9845	89.37	
9.5	367,725,514	19,700,189	0.0536	0.9464	87.99	
10.5	338,626,301	4,938,402	0.0146	0.9854	83.27	
11.5	323,073,571	22,505,541	0.0697	0.9303	82.06	
12.5	293,390,519	4,871,075	0.0166	0.9834	76.34	
13.5	286,319,754	7,808,407	0.0273	0.9727	75.07	
14.5	272,973,345	9,006,680	0.0330	0.9670	73.03	
15.5	247,804,231	1,390,726	0.0056	0.9944	70.62	
16.5	176,527,920	9,759,856	0.0553	0.9447	70.22	
17.5	121,467,649	1,531,398	0.0126	0.9874	66.34	
18.5	46,559,566	7,269,014	0.1561	0.8439	65.50	
19.5	34,458,906	1,706,471	0.0495	0.9505	55.28	
20.5	24,422,599	1,657,921	0.0679	0.9321	52.54	
21.5	17,983,676	828,148	0.0460	0.9540	48.97	
22.5	9,465,818	858,501	0.0907	0.9093	46.72	
23.5	6,748,210	378,874	0.0561	0.9439	42.48	
24.5	5,350,949	16,390	0.0031	0.9969	40.10	
25.5	5,509,740	360,458	0.0654	0.9346	39.97	
26.5	5,187,911		0.0000	1.0000	37.36	
27.5	5,167,906		0.0000	1.0000	37.36	
28.5	3,554,499		0.0000	1.0000	37.36	
29.5	3,602,946	40,948	0.0114	0.9886	37.36	
30.5	10,252,464		0.0000	1.0000	36.93	
31.5	12,457,766	0	0.0000	1.0000	36.93	
32.5	18,814,452		0.0000	1.0000	36.93	
33.5	24,215,972	366,022	0.0151	0.9849	36.93	
34.5	23,741,196	11,894	0.0005	0.9995	36.37	
35.5	23,397,489	36,275	0.0016	0.9984	36.36	
36.5	23,343,992	2	0.0000	1.0000	36.30	
37.5	23,178,716	53,477	0.0023	0.9977	36.30	
38.5	23,099,358	4,794	0.0002	0.9998	36.22	

## DUKE ENERGY PROGRESS

## ACCOUNT 343 PRIME MOVERS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1949-2018			EXPERIENCE BAND 2002-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	22,482,611	1,276,915	0.0568	0.9432	36.21
40.5	21,159,011		0.0000	1.0000	34.15
41.5	19,687,530	53,382	0.0027	0.9973	34.15
42.5	19,426,022	4,327	0.0002	0.9998	34.06
43.5	19,194,138	833,914	0.0434	0.9566	34.05
44.5	13,985,558		0.0000	1.0000	32.57
45.5	12,844,183	20,716	0.0016	0.9984	32.57
46.5	12,821,705		0.0000	1.0000	32.52
47.5	7,606,812		0.0000	1.0000	32.52
48.5	1,097,911		0.0000	1.0000	32.52
49.5					32.52
50.5					
51.5					
52.5					
53.5					
54.5					
55.5					
56.5	1,475		0.0000		
57.5	1,475		0.0000		
58.5	1,475		0.0000		
59.5	75,771		0.0000		
60.5	75,771		0.0000		
61.5	108,344		0.0000		
62.5	161,465		0.0000		
63.5	159,990		0.0000		
64.5	159,990		0.0000		
65.5	159,990		0.0000		
66.5	85,694		0.0000		
67.5	85,694		0.0000		
68.5	53,121		0.0000		
69.5					



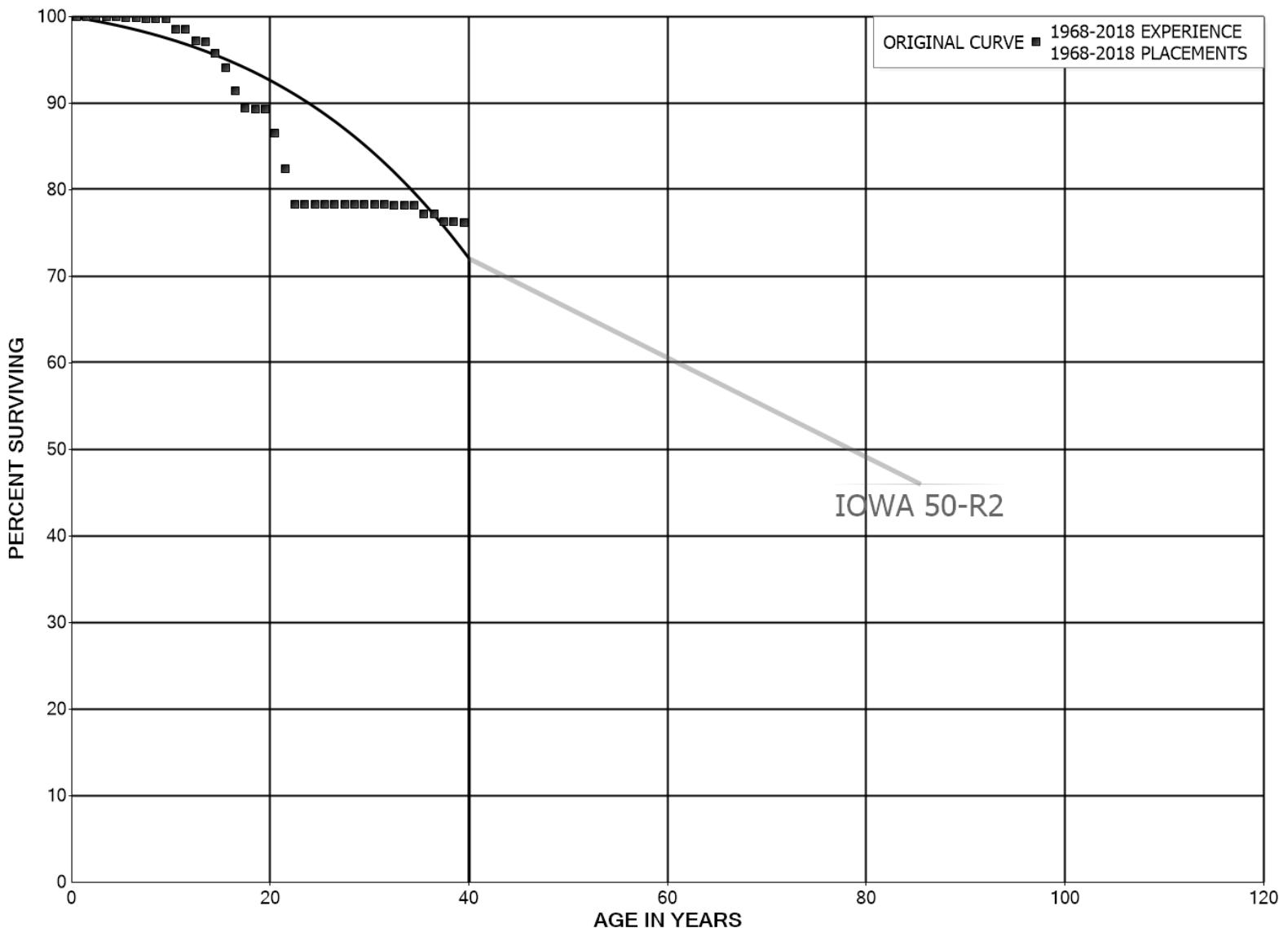
## DUKE ENERGY PROGRESS

ACCOUNT 343.1 PRIME MOVERS - ROTABLE PARTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2002-2016		EXPERIENCE BAND 2007-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	295,925,697		0.0000	1.0000	100.00
0.5	298,377,985	19,074,417	0.0639	0.9361	100.00
1.5	279,303,567	49,221,592	0.1762	0.8238	93.61
2.5	149,720,713	19,068,114	0.1274	0.8726	77.11
3.5	116,870,598	32,539,954	0.2784	0.7216	67.29
4.5	132,521,572	18,150,631	0.1370	0.8630	48.55
5.5	71,968,790	7,949,867	0.1105	0.8895	41.90
6.5	64,018,923	81,720	0.0013	0.9987	37.28
7.5	56,382,074		0.0000	1.0000	37.23
8.5	56,382,074	5,315,555	0.0943	0.9057	37.23
9.5	51,066,518	40,827,472	0.7995	0.2005	33.72
10.5	10,239,046		0.0000	1.0000	6.76
11.5	10,239,046		0.0000	1.0000	6.76
12.5	10,239,046		0.0000	1.0000	6.76
13.5	10,239,046	10,239,046	1.0000		6.76
14.5					

DUKE ENERGY PROGRESS  
ACCOUNT 344 GENERATORS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 344 GENERATORS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	317,900,685		0.0000	1.0000	100.00
0.5	316,610,901	9,517	0.0000	1.0000	100.00
1.5	314,229,805	8,587	0.0000	1.0000	100.00
2.5	306,264,171		0.0000	1.0000	99.99
3.5	301,003,794	150,474	0.0005	0.9995	99.99
4.5	299,995,700	458,368	0.0015	0.9985	99.94
5.5	252,873,184	12,610	0.0000	1.0000	99.79
6.5	196,436,767	100,639	0.0005	0.9995	99.79
7.5	164,618,519	60,522	0.0004	0.9996	99.74
8.5	163,180,860		0.0000	1.0000	99.70
9.5	150,239,461	1,773,249	0.0118	0.9882	99.70
10.5	148,423,897		0.0000	1.0000	98.52
11.5	148,423,897	2,087,350	0.0141	0.9859	98.52
12.5	145,693,197	26,549	0.0002	0.9998	97.14
13.5	145,666,648	2,138,506	0.0147	0.9853	97.12
14.5	143,490,043	2,481,828	0.0173	0.9827	95.69
15.5	129,842,713	3,654,555	0.0281	0.9719	94.04
16.5	87,051,157	1,913,433	0.0220	0.9780	91.39
17.5	61,521,313	32,717	0.0005	0.9995	89.38
18.5	34,275,199		0.0000	1.0000	89.33
19.5	32,691,831	1,054,407	0.0323	0.9677	89.33
20.5	20,472,547	968,182	0.0473	0.9527	86.45
21.5	19,504,365	968,182	0.0496	0.9504	82.36
22.5	11,615,803		0.0000	1.0000	78.28
23.5	11,615,803		0.0000	1.0000	78.28
24.5	11,615,803		0.0000	1.0000	78.28
25.5	11,615,803		0.0000	1.0000	78.28
26.5	11,615,803		0.0000	1.0000	78.28
27.5	11,615,803		0.0000	1.0000	78.28
28.5	11,615,803		0.0000	1.0000	78.28
29.5	11,615,803		0.0000	1.0000	78.28
30.5	11,615,803	463	0.0000	1.0000	78.28
31.5	11,615,340	13,219	0.0011	0.9989	78.27
32.5	11,602,121		0.0000	1.0000	78.18
33.5	11,602,121	726	0.0001	0.9999	78.18
34.5	11,601,395	156,250	0.0135	0.9865	78.18
35.5	11,445,145	0	0.0000	1.0000	77.13
36.5	11,445,145	120,175	0.0105	0.9895	77.13
37.5	11,324,970	5,501	0.0005	0.9995	76.32
38.5	11,319,469	22,140	0.0020	0.9980	76.28

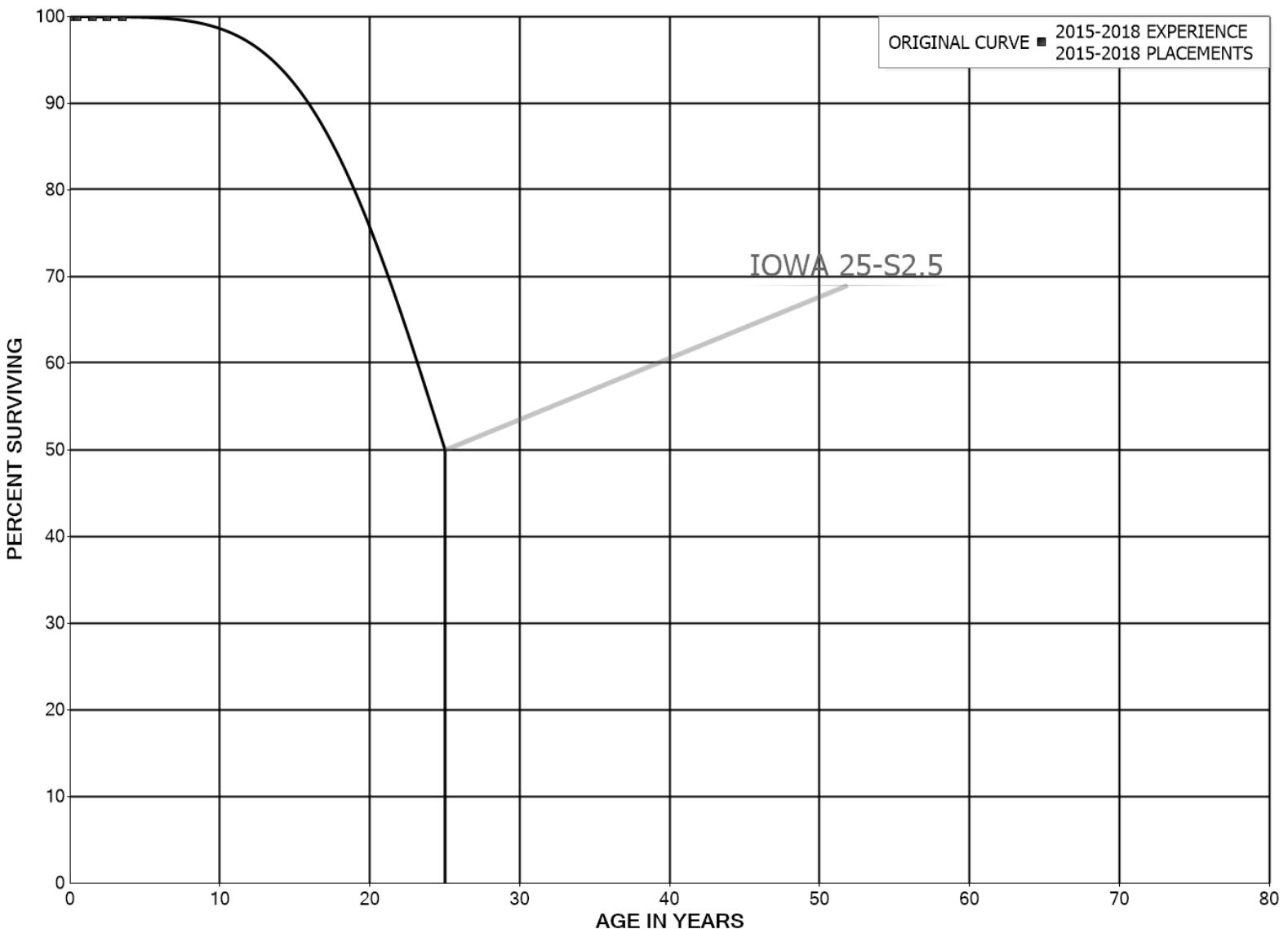
## DUKE ENERGY PROGRESS

## ACCOUNT 344 GENERATORS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2018			EXPERIENCE BAND 1968-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,297,329	314,478	0.0278	0.9722	76.13
40.5	10,982,850	299,852	0.0273	0.9727	74.01
41.5	9,803,203	57,202	0.0058	0.9942	71.99
42.5	9,746,000	266,319	0.0273	0.9727	71.57
43.5	9,155,944	580,846	0.0634	0.9366	69.61
44.5	5,266,618		0.0000	1.0000	65.20
45.5	3,816,133		0.0000	1.0000	65.20
46.5	3,816,133		0.0000	1.0000	65.20
47.5	2,143,130		0.0000	1.0000	65.20
48.5	297,494		0.0000	1.0000	65.20
49.5					65.20

DUKE ENERGY PROGRESS  
ACCOUNT 344.2 GENERATORS - SOLAR  
ORIGINAL AND SMOOTH SURVIVOR CURVES



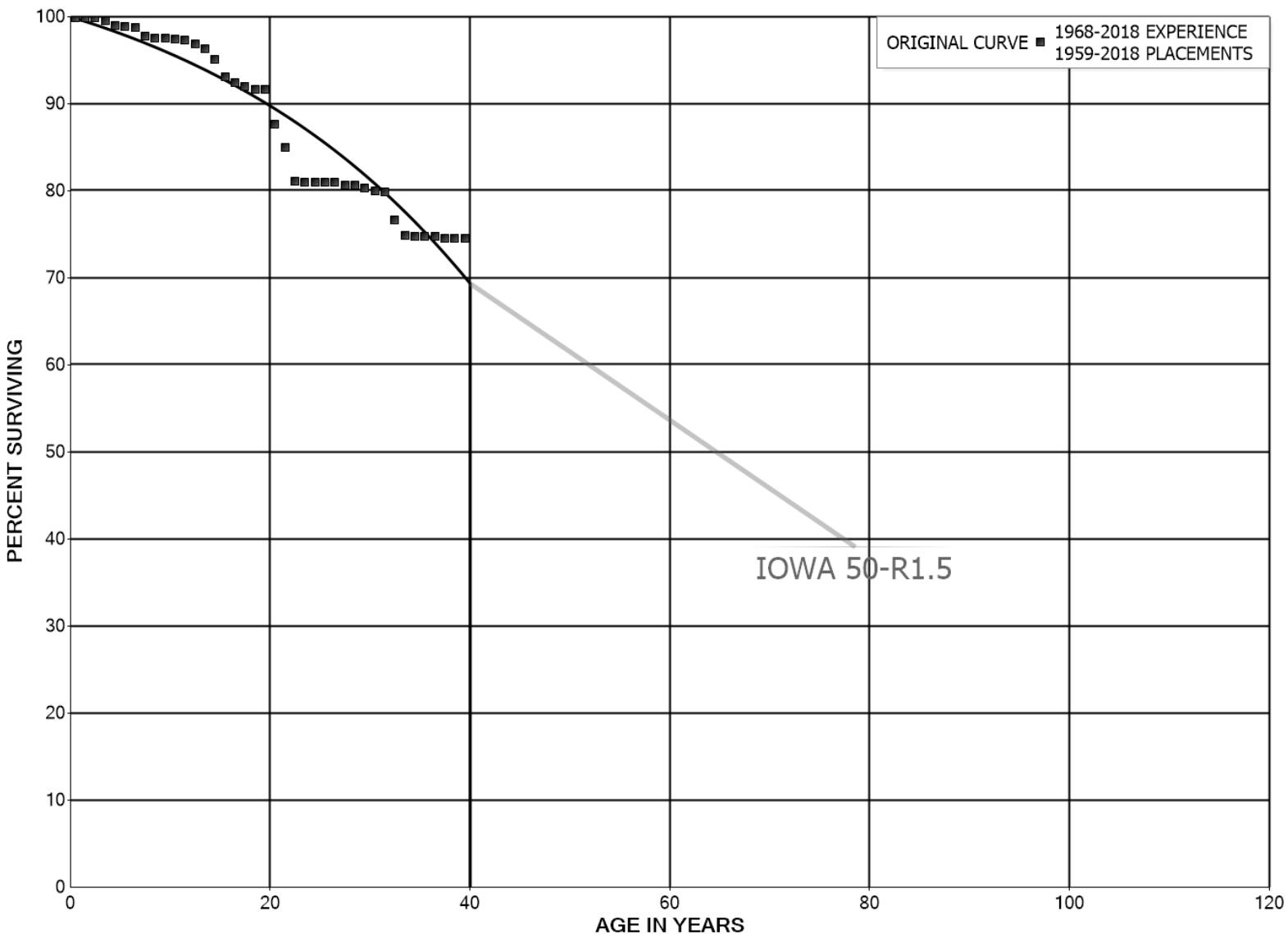
## DUKE ENERGY PROGRESS

ACCOUNT 344.2 GENERATORS - SOLAR

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2015-2018			EXPERIENCE BAND 2015-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	187,470,961		0.0000	1.0000	100.00
0.5	178,745,731		0.0000	1.0000	100.00
1.5	178,745,731		0.0000	1.0000	100.00
2.5	129,290,091		0.0000	1.0000	100.00
3.5					100.00

DUKE ENERGY PROGRESS  
ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1959-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1968-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	329,696,842	493,243	0.0015	0.9985	100.00
0.5	327,289,152		0.0000	1.0000	99.85
1.5	317,911,059	56,772	0.0002	0.9998	99.85
2.5	313,427,586	1,014,658	0.0032	0.9968	99.83
3.5	300,523,393	1,731,534	0.0058	0.9942	99.51
4.5	298,732,582	386,302	0.0013	0.9987	98.94
5.5	235,984,841	283,590	0.0012	0.9988	98.81
6.5	159,387,459	1,469,084	0.0092	0.9908	98.69
7.5	107,737,361	293,205	0.0027	0.9973	97.78
8.5	105,133,601	49,594	0.0005	0.9995	97.51
9.5	94,204,035	116,593	0.0012	0.9988	97.47
10.5	93,066,957	32,036	0.0003	0.9997	97.35
11.5	92,391,065	479,392	0.0052	0.9948	97.31
12.5	91,691,145	493,229	0.0054	0.9946	96.81
13.5	91,216,980	1,111,913	0.0122	0.9878	96.29
14.5	89,971,482	1,923,332	0.0214	0.9786	95.11
15.5	87,889,485	623,031	0.0071	0.9929	93.08
16.5	66,693,973	376,506	0.0056	0.9944	92.42
17.5	43,491,944	130,717	0.0030	0.9970	91.90
18.5	18,859,129	4,160	0.0002	0.9998	91.62
19.5	17,188,576	745,401	0.0434	0.9566	91.60
20.5	13,534,254	404,797	0.0299	0.9701	87.63
21.5	12,567,718	586,337	0.0467	0.9533	85.01
22.5	7,059,434	6,389	0.0009	0.9991	81.04
23.5	7,021,350	5,948	0.0008	0.9992	80.97
24.5	5,082,653		0.0000	1.0000	80.90
25.5	4,998,498		0.0000	1.0000	80.90
26.5	4,947,778	16,529	0.0033	0.9967	80.90
27.5	4,913,173	1,706	0.0003	0.9997	80.63
28.5	4,870,647	17,606	0.0036	0.9964	80.60
29.5	4,388,861	19,845	0.0045	0.9955	80.31
30.5	4,350,169	4,634	0.0011	0.9989	79.95
31.5	4,328,349	173,383	0.0401	0.9599	79.86
32.5	4,153,346	97,973	0.0236	0.9764	76.66
33.5	4,055,373	5,513	0.0014	0.9986	74.86
34.5	3,967,169	3,856	0.0010	0.9990	74.75
35.5	3,963,313	56	0.0000	1.0000	74.68
36.5	3,957,331	7,406	0.0019	0.9981	74.68
37.5	3,919,382		0.0000	1.0000	74.54
38.5	3,919,382	1,710	0.0004	0.9996	74.54

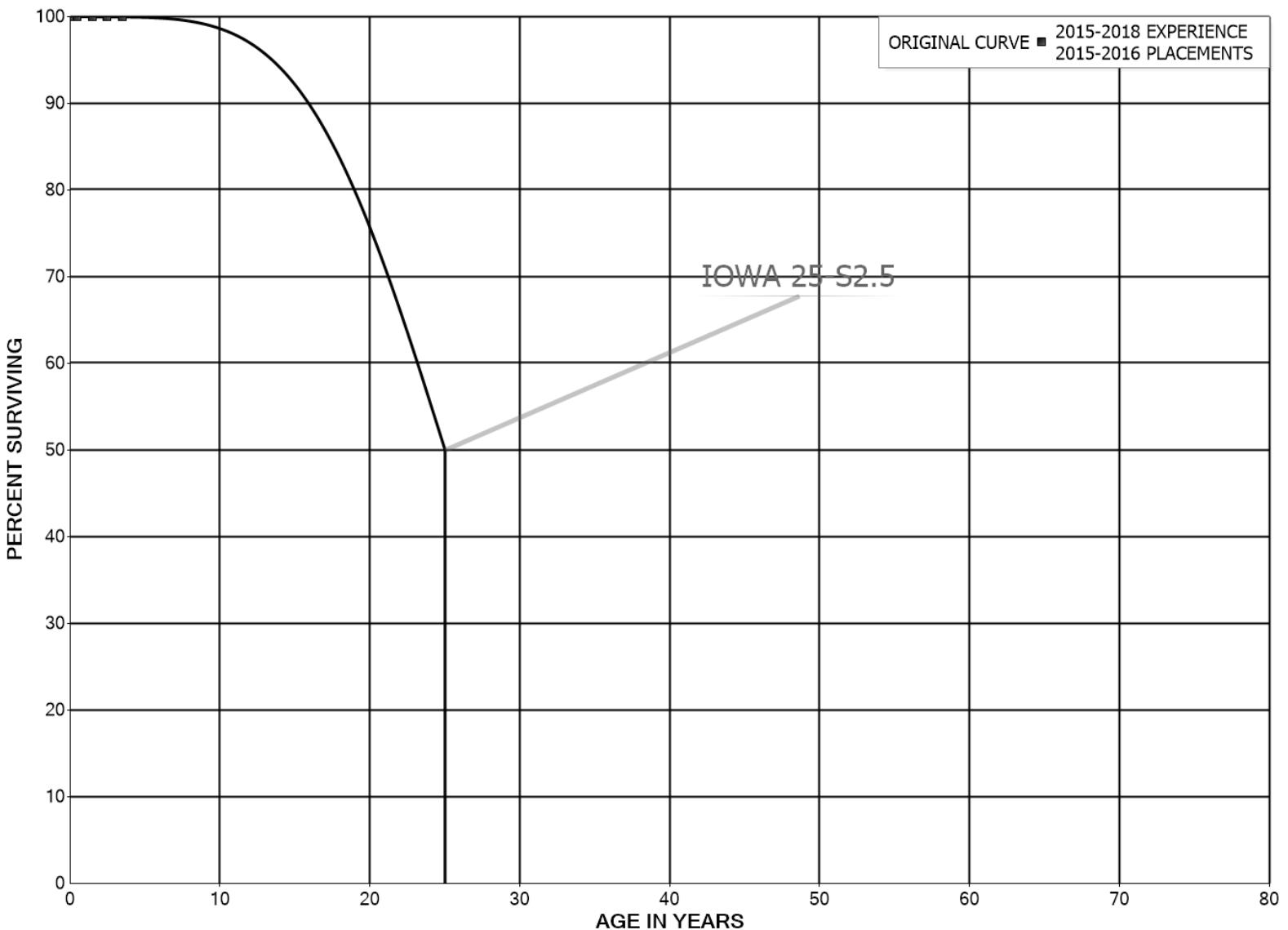
## DUKE ENERGY PROGRESS

## ACCOUNT 345 ACCESSORY ELECTRIC EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1959-2018			EXPERIENCE BAND 1968-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,912,967	85,567	0.0219	0.9781	74.51
40.5	3,827,400	52,861	0.0138	0.9862	72.88
41.5	2,842,558	119,398	0.0420	0.9580	71.87
42.5	2,723,160	110,246	0.0405	0.9595	68.85
43.5	2,591,873	80,862	0.0312	0.9688	66.07
44.5	2,003,722		0.0000	1.0000	64.00
45.5	1,935,276		0.0000	1.0000	64.00
46.5	1,935,276	14,997	0.0077	0.9923	64.00
47.5	692,568	14,491	0.0209	0.9791	63.51
48.5	84,807		0.0000	1.0000	62.18
49.5					62.18

DUKE ENERGY PROGRESS  
ACCOUNT 345.2 ACCESSORY ELECTRIC EQUIPMENT - SOLAR  
ORIGINAL AND SMOOTH SURVIVOR CURVES



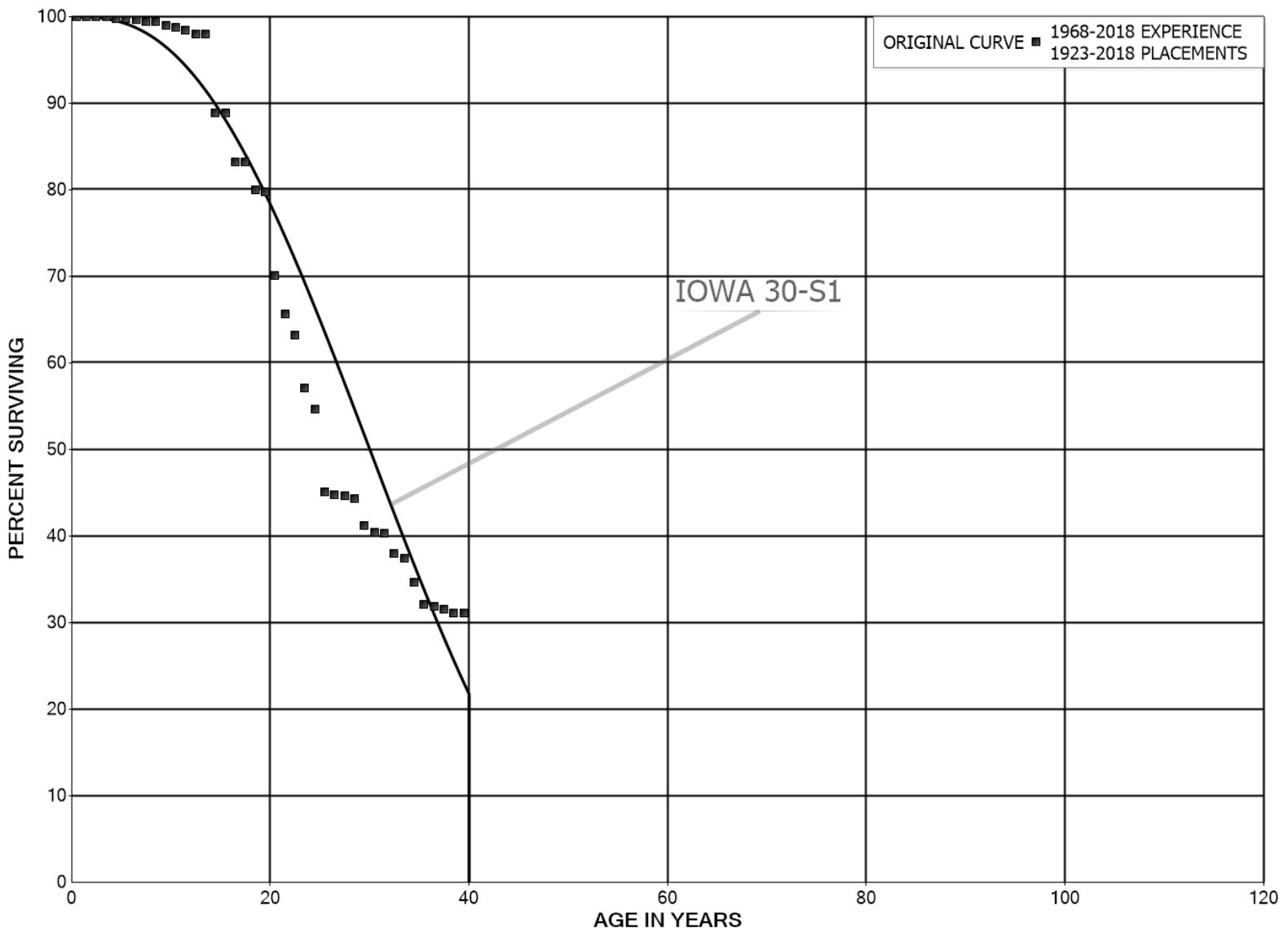
## DUKE ENERGY PROGRESS

ACCOUNT 345.2 ACCESSORY ELECTRIC EQUIPMENT - SOLAR

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2015-2016		EXPERIENCE BAND 2015-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	4,686,715		0.0000	1.0000	100.00
0.5	4,686,715		0.0000	1.0000	100.00
1.5	4,686,715		0.0000	1.0000	100.00
2.5	4,047,631		0.0000	1.0000	100.00
3.5					100.00

DUKE ENERGY PROGRESS  
ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1923-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	EXPERIENCE BAND 1968-2018
0.0	53,088,279	614	0.0000	1.0000	100.00	
0.5	51,633,723		0.0000	1.0000	100.00	
1.5	45,733,465	38	0.0000	1.0000	100.00	
2.5	40,723,448	591	0.0000	1.0000	100.00	
3.5	39,429,242	89,287	0.0023	0.9977	100.00	
4.5	38,561,755	15,854	0.0004	0.9996	99.77	
5.5	31,480,991	23,306	0.0007	0.9993	99.73	
6.5	22,814,457	60,514	0.0027	0.9973	99.66	
7.5	14,577,126	400	0.0000	1.0000	99.39	
8.5	12,811,390	63,438	0.0050	0.9950	99.39	
9.5	11,083,255	19,513	0.0018	0.9982	98.90	
10.5	10,887,769	38,924	0.0036	0.9964	98.72	
11.5	10,571,357	47,295	0.0045	0.9955	98.37	
12.5	10,310,106	430	0.0000	1.0000	97.93	
13.5	10,460,840	971,007	0.0928	0.9072	97.93	
14.5	9,411,537	1,931	0.0002	0.9998	88.84	
15.5	8,897,167	561,201	0.0631	0.9369	88.82	
16.5	6,014,258	589	0.0001	0.9999	83.22	
17.5	4,170,020	160,855	0.0386	0.9614	83.21	
18.5	1,395,398	4,019	0.0029	0.9971	80.00	
19.5	1,440,737	174,952	0.1214	0.8786	79.77	
20.5	1,160,986	74,349	0.0640	0.9360	70.08	
21.5	1,102,341	40,296	0.0366	0.9634	65.59	
22.5	1,051,642	102,130	0.0971	0.9029	63.20	
23.5	957,941	41,198	0.0430	0.9570	57.06	
24.5	840,353	146,840	0.1747	0.8253	54.60	
25.5	711,539	5,297	0.0074	0.9926	45.06	
26.5	696,233	1,657	0.0024	0.9976	44.73	
27.5	711,968	5,978	0.0084	0.9916	44.62	
28.5	720,934	49,922	0.0692	0.9308	44.25	
29.5	658,775	12,227	0.0186	0.9814	41.18	
30.5	635,263	1,512	0.0024	0.9976	40.42	
31.5	659,253	37,859	0.0574	0.9426	40.32	
32.5	598,409	8,989	0.0150	0.9850	38.01	
33.5	608,885	45,273	0.0744	0.9256	37.44	
34.5	549,406	40,186	0.0731	0.9269	34.65	
35.5	503,996	3,891	0.0077	0.9923	32.12	
36.5	500,111	5,551	0.0111	0.9889	31.87	
37.5	491,521	6,472	0.0132	0.9868	31.52	
38.5	485,081		0.0000	1.0000	31.10	

## DUKE ENERGY PROGRESS

## ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1923-2018		EXPERIENCE BAND 1968-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	487,159	2,530	0.0052	0.9948	31.10
40.5	480,634	392,316	0.8162	0.1838	30.94
41.5	81,454	38,593	0.4738	0.5262	5.69
42.5	43,043	2,882	0.0669	0.9331	2.99
43.5	39,979	758	0.0190	0.9810	2.79
44.5	26,822	10,235	0.3816	0.6184	2.74
45.5	14,091	7,317	0.5193	0.4807	1.69
46.5	6,774	4,000	0.5905	0.4095	0.81
47.5	2,774	2,468	0.8896	0.1104	0.33
48.5	306	306	1.0000		0.04
49.5					
50.5					
51.5					
52.5					
53.5					
54.5					
55.5					
56.5					
57.5					
58.5					
59.5					
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71.5					
72.5					
73.5					
74.5					
75.5					
76.5					
77.5					
78.5					

## DUKE ENERGY PROGRESS

ACCOUNT 346 MISCELLANEOUS POWER PLANT EQUIPMENT

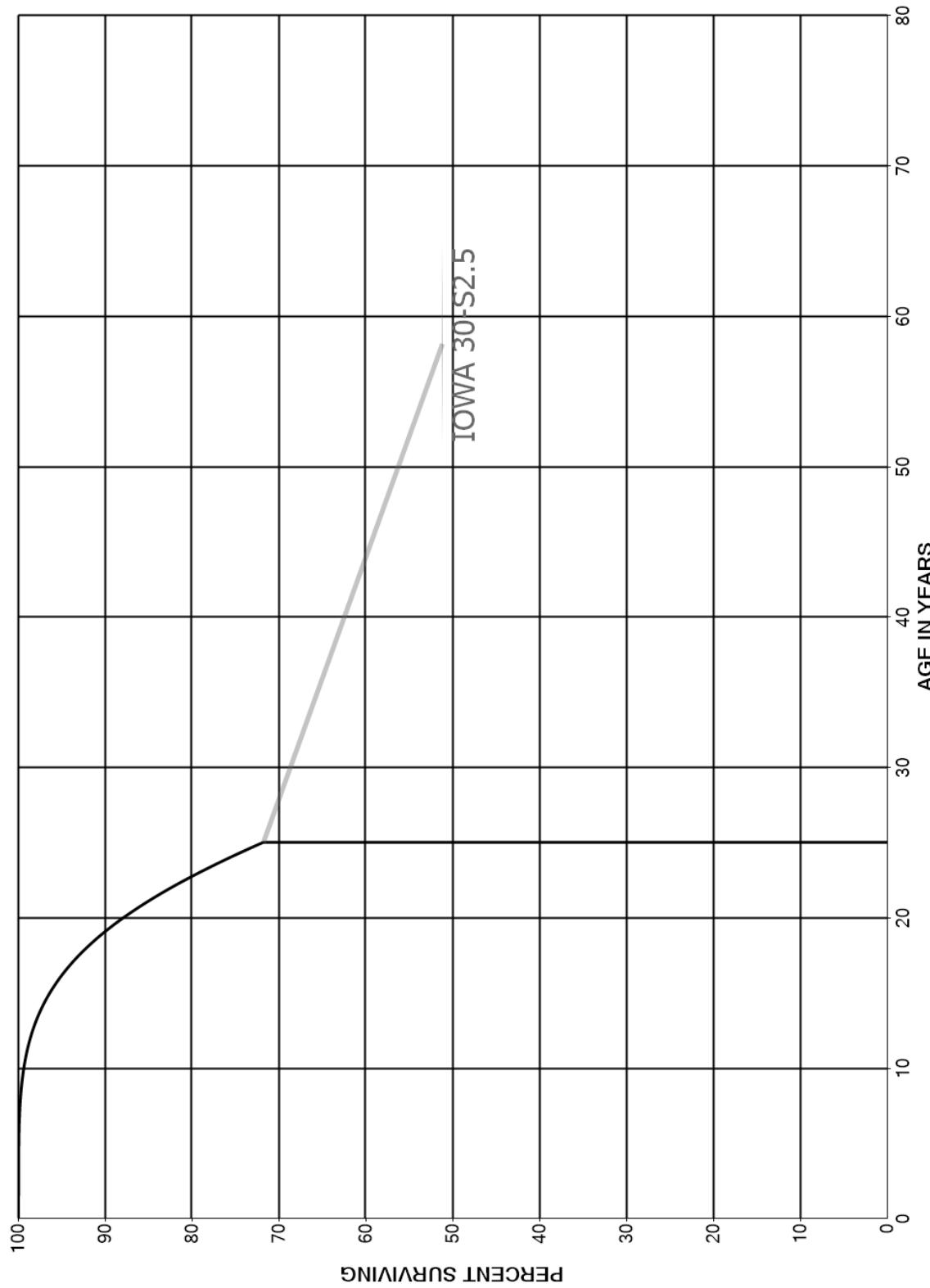
ORIGINAL LIFE TABLE, CONT.

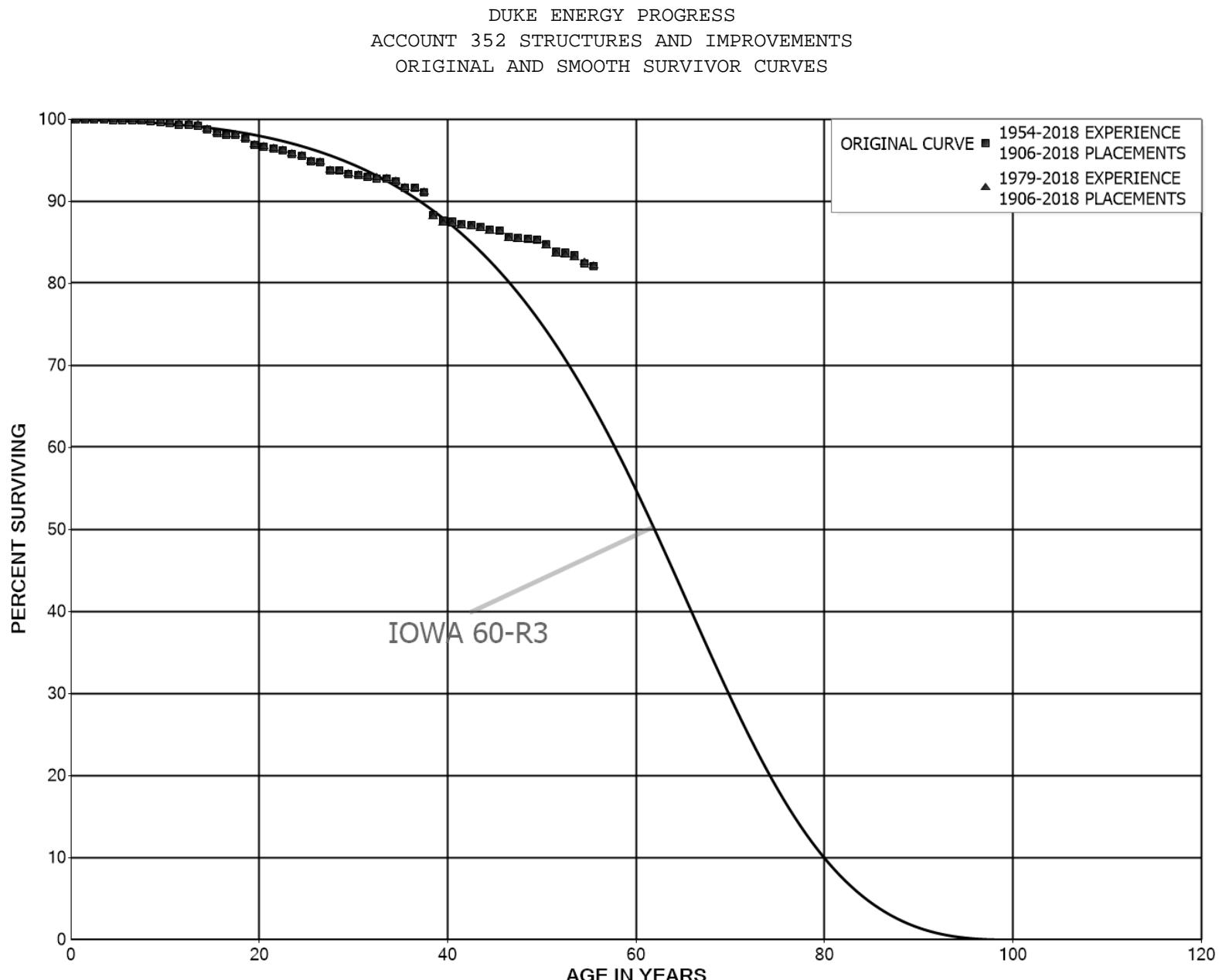
PLACEMENT BAND 1923-2018

EXPERIENCE BAND 1968-2018

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5					
80.5					
81.5					
82.5					
83.5					
84.5					
85.5					
86.5					
87.5					
88.5					
89.5	4,590		0.0000		
90.5					

DUKE ENERGY PROGRESS  
ACCOUNT 346.2 MISCELLANEOUS POWER PLANT EQUIPMENT - SOLAR  
SMOOTH SURVIVOR CURVE





## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1906-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	100,121,997	48,053	0.0005	0.9995	100.00
0.5	88,783,130	4,816	0.0001	0.9999	99.95
1.5	85,928,703	10,469	0.0001	0.9999	99.95
2.5	85,328,716	12,748	0.0001	0.9999	99.93
3.5	75,314,142	30,420	0.0004	0.9996	99.92
4.5	75,310,773	4,565	0.0001	0.9999	99.88
5.5	75,826,738	4,422	0.0001	0.9999	99.87
6.5	74,489,686	54,770	0.0007	0.9993	99.87
7.5	71,864,527	22,997	0.0003	0.9997	99.79
8.5	71,579,390	71,084	0.0010	0.9990	99.76
9.5	61,115,735	83,200	0.0014	0.9986	99.66
10.5	60,418,600	114,345	0.0019	0.9981	99.53
11.5	58,996,279	23,785	0.0004	0.9996	99.34
12.5	59,144,056	55,588	0.0009	0.9991	99.30
13.5	57,891,466	292,345	0.0050	0.9950	99.21
14.5	53,965,853	231,286	0.0043	0.9957	98.70
15.5	52,519,753	110,160	0.0021	0.9979	98.28
16.5	50,334,210	17,500	0.0003	0.9997	98.08
17.5	48,346,043	228,382	0.0047	0.9953	98.04
18.5	44,391,252	354,463	0.0080	0.9920	97.58
19.5	41,440,614	66,537	0.0016	0.9984	96.80
20.5	40,666,460	95,356	0.0023	0.9977	96.64
21.5	39,325,701	96,973	0.0025	0.9975	96.42
22.5	35,961,557	167,174	0.0046	0.9954	96.18
23.5	32,706,204	68,922	0.0021	0.9979	95.73
24.5	32,057,795	237,364	0.0074	0.9926	95.53
25.5	30,336,504	40,653	0.0013	0.9987	94.82
26.5	29,339,979	291,745	0.0099	0.9901	94.70
27.5	28,562,000	23,587	0.0008	0.9992	93.75
28.5	27,285,783	120,183	0.0044	0.9956	93.68
29.5	22,064,007	23,009	0.0010	0.9990	93.26
30.5	20,518,391	38,716	0.0019	0.9981	93.17
31.5	18,129,394	42,404	0.0023	0.9977	92.99
32.5	17,484,916	11,874	0.0007	0.9993	92.77
33.5	16,664,729	55,296	0.0033	0.9967	92.71
34.5	15,856,664	131,686	0.0083	0.9917	92.40
35.5	11,777,400	8,981	0.0008	0.9992	91.64
36.5	10,513,184	51,628	0.0049	0.9951	91.57
37.5	9,608,110	301,097	0.0313	0.9687	91.12
38.5	8,979,618	70,220	0.0078	0.9922	88.26

## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1906-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	6,581,103	8,358	0.0013	0.9987	87.57
40.5	5,513,335	18,733	0.0034	0.9966	87.46
41.5	4,757,583	7,169	0.0015	0.9985	87.16
42.5	4,249,545	11,171	0.0026	0.9974	87.03
43.5	3,879,884	12,410	0.0032	0.9968	86.80
44.5	2,639,133	2,696	0.0010	0.9990	86.52
45.5	2,357,193	20,917	0.0089	0.9911	86.44
46.5	1,874,867	3,929	0.0021	0.9979	85.67
47.5	1,660,635	1,185	0.0007	0.9993	85.49
48.5	1,638,714	2,136	0.0013	0.9987	85.43
49.5	1,625,305	10,303	0.0063	0.9937	85.32
50.5	1,439,931	16,438	0.0114	0.9886	84.78
51.5	1,298,049	1,008	0.0008	0.9992	83.81
52.5	1,209,031	4,781	0.0040	0.9960	83.74
53.5	1,158,192	13,514	0.0117	0.9883	83.41
54.5	1,121,614	5,560	0.0050	0.9950	82.44
55.5	1,098,756	3,877	0.0035	0.9965	82.03
56.5	1,086,532	47	0.0000	1.0000	81.74
57.5	1,080,798	496	0.0005	0.9995	81.74
58.5	1,075,193	2,252	0.0021	0.9979	81.70
59.5	1,072,352	711	0.0007	0.9993	81.53
60.5	1,055,648	881	0.0008	0.9992	81.47
61.5	1,027,646	5,363	0.0052	0.9948	81.41
62.5	996,586	35	0.0000	1.0000	80.98
63.5	992,960	18,249	0.0184	0.9816	80.98
64.5	962,356	3,121	0.0032	0.9968	79.49
65.5	943,154	914	0.0010	0.9990	79.23
66.5	914,674	212	0.0002	0.9998	79.16
67.5	911,176	247	0.0003	0.9997	79.14
68.5	890,000	3,380	0.0038	0.9962	79.12
69.5	786,918	61	0.0001	0.9999	78.82
70.5	783,961	2,218	0.0028	0.9972	78.81
71.5	606,551	1,957	0.0032	0.9968	78.59
72.5	600,125	111	0.0002	0.9998	78.33
73.5	598,197	1,257	0.0021	0.9979	78.32
74.5	596,940	2,315	0.0039	0.9961	78.15
75.5	594,625	1,648	0.0028	0.9972	77.85
76.5	592,435	417	0.0007	0.9993	77.64
77.5	567,329	1,885	0.0033	0.9967	77.58
78.5	565,404	1	0.0000	1.0000	77.32

## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1906-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	565,403	462	0.0008	0.9992	77.32
80.5	556,219	1,123	0.0020	0.9980	77.26
81.5	505,888	36,119	0.0714	0.9286	77.10
82.5	263,661	56	0.0002	0.9998	71.60
83.5	263,605	546	0.0021	0.9979	71.58
84.5	263,059		0.0000	1.0000	71.44
85.5	263,059	97	0.0004	0.9996	71.44
86.5	262,962	176	0.0007	0.9993	71.41
87.5	256,338	767	0.0030	0.9970	71.36
88.5	228,772		0.0000	1.0000	71.15
89.5	228,772	2,350	0.0103	0.9897	71.15
90.5	151,589	1,422	0.0094	0.9906	70.42
91.5	107,114	77	0.0007	0.9993	69.76
92.5	104,805	1,544	0.0147	0.9853	69.71
93.5	60,490	782	0.0129	0.9871	68.68
94.5	38,962	1,483	0.0381	0.9619	67.79
95.5					65.21

## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1906-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	94,404,089	1,431	0.0000	1.0000	100.00
0.5	84,246,336	4,816	0.0001	0.9999	100.00
1.5	82,387,130	10,469	0.0001	0.9999	99.99
2.5	82,204,464	12,637	0.0002	0.9998	99.98
3.5	72,685,062	25,290	0.0003	0.9997	99.96
4.5	73,282,785	3,991	0.0001	0.9999	99.93
5.5	74,167,061	4,217	0.0001	0.9999	99.92
6.5	72,999,986	53,605	0.0007	0.9993	99.92
7.5	70,641,660	19,121	0.0003	0.9997	99.85
8.5	70,376,616	70,579	0.0010	0.9990	99.82
9.5	59,932,817	82,639	0.0014	0.9986	99.72
10.5	59,421,195	113,085	0.0019	0.9981	99.58
11.5	58,142,083	21,547	0.0004	0.9996	99.39
12.5	58,363,951	55,168	0.0009	0.9991	99.35
13.5	57,176,326	292,345	0.0051	0.9949	99.26
14.5	53,281,633	231,000	0.0043	0.9957	98.75
15.5	51,844,451	110,160	0.0021	0.9979	98.32
16.5	49,610,657	17,500	0.0004	0.9996	98.12
17.5	47,387,750	228,056	0.0048	0.9952	98.08
18.5	43,436,941	354,263	0.0082	0.9918	97.61
19.5	40,579,118	64,135	0.0016	0.9984	96.81
20.5	39,824,769	93,082	0.0023	0.9977	96.66
21.5	38,514,476	95,317	0.0025	0.9975	96.43
22.5	35,170,591	167,174	0.0048	0.9952	96.20
23.5	31,877,716	68,920	0.0022	0.9978	95.74
24.5	31,228,643	236,961	0.0076	0.9924	95.53
25.5	29,449,315	40,494	0.0014	0.9986	94.81
26.5	28,472,256	291,745	0.0102	0.9898	94.68
27.5	27,696,846	23,587	0.0009	0.9991	93.71
28.5	26,397,728	105,248	0.0040	0.9960	93.63
29.5	21,278,686	22,949	0.0011	0.9989	93.25
30.5	19,695,997	38,716	0.0020	0.9980	93.15
31.5	17,485,161	35,154	0.0020	0.9980	92.97
32.5	16,853,249	8,415	0.0005	0.9995	92.78
33.5	16,038,191	55,296	0.0034	0.9966	92.74
34.5	15,230,124	131,586	0.0086	0.9914	92.42
35.5	11,152,413	8,981	0.0008	0.9992	91.62
36.5	9,889,423	51,528	0.0052	0.9948	91.54
37.5	9,014,626	300,822	0.0334	0.9666	91.07
38.5	8,386,452	66,222	0.0079	0.9921	88.03

## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1906-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	5,991,935	8,358	0.0014	0.9986	87.33
40.5	4,924,447	13,169	0.0027	0.9973	87.21
41.5	4,225,475	5,285	0.0013	0.9987	86.98
42.5	3,961,727	10,923	0.0028	0.9972	86.87
43.5	3,592,315	12,410	0.0035	0.9965	86.63
44.5	2,351,563	1,996	0.0008	0.9992	86.33
45.5	2,063,856	20,867	0.0101	0.9899	86.26
46.5	1,581,583	890	0.0006	0.9994	85.39
47.5	1,378,829	1,185	0.0009	0.9991	85.34
48.5	1,387,101	1,960	0.0014	0.9986	85.26
49.5	1,373,894	9,808	0.0071	0.9929	85.14
50.5	1,269,288	15,838	0.0125	0.9875	84.54
51.5	1,173,193	513	0.0004	0.9996	83.48
52.5	1,087,066	4,781	0.0044	0.9956	83.44
53.5	1,083,680	7,514	0.0069	0.9931	83.08
54.5	1,075,181	5,560	0.0052	0.9948	82.50
55.5	1,093,058	838	0.0008	0.9992	82.07
56.5	1,083,873	47	0.0000	1.0000	82.01
57.5	1,078,139	35	0.0000	1.0000	82.01
58.5	1,072,996	414	0.0004	0.9996	82.01
59.5	1,071,999	711	0.0007	0.9993	81.97
60.5	1,055,410	881	0.0008	0.9992	81.92
61.5	1,027,408	5,363	0.0052	0.9948	81.85
62.5	996,404	35	0.0000	1.0000	81.42
63.5	992,779	18,249	0.0184	0.9816	81.42
64.5	962,174	3,045	0.0032	0.9968	79.92
65.5	943,146	914	0.0010	0.9990	79.67
66.5	914,665	212	0.0002	0.9998	79.59
67.5	911,168	247	0.0003	0.9997	79.58
68.5	889,991	3,380	0.0038	0.9962	79.55
69.5	786,909	61	0.0001	0.9999	79.25
70.5	783,959	2,218	0.0028	0.9972	79.25
71.5	606,548	1,957	0.0032	0.9968	79.02
72.5	600,125	111	0.0002	0.9998	78.77
73.5	598,197	1,257	0.0021	0.9979	78.75
74.5	596,940	2,315	0.0039	0.9961	78.59
75.5	594,625	1,648	0.0028	0.9972	78.28
76.5	592,435	417	0.0007	0.9993	78.06
77.5	567,329	1,885	0.0033	0.9967	78.01
78.5	565,404	1	0.0000	1.0000	77.75

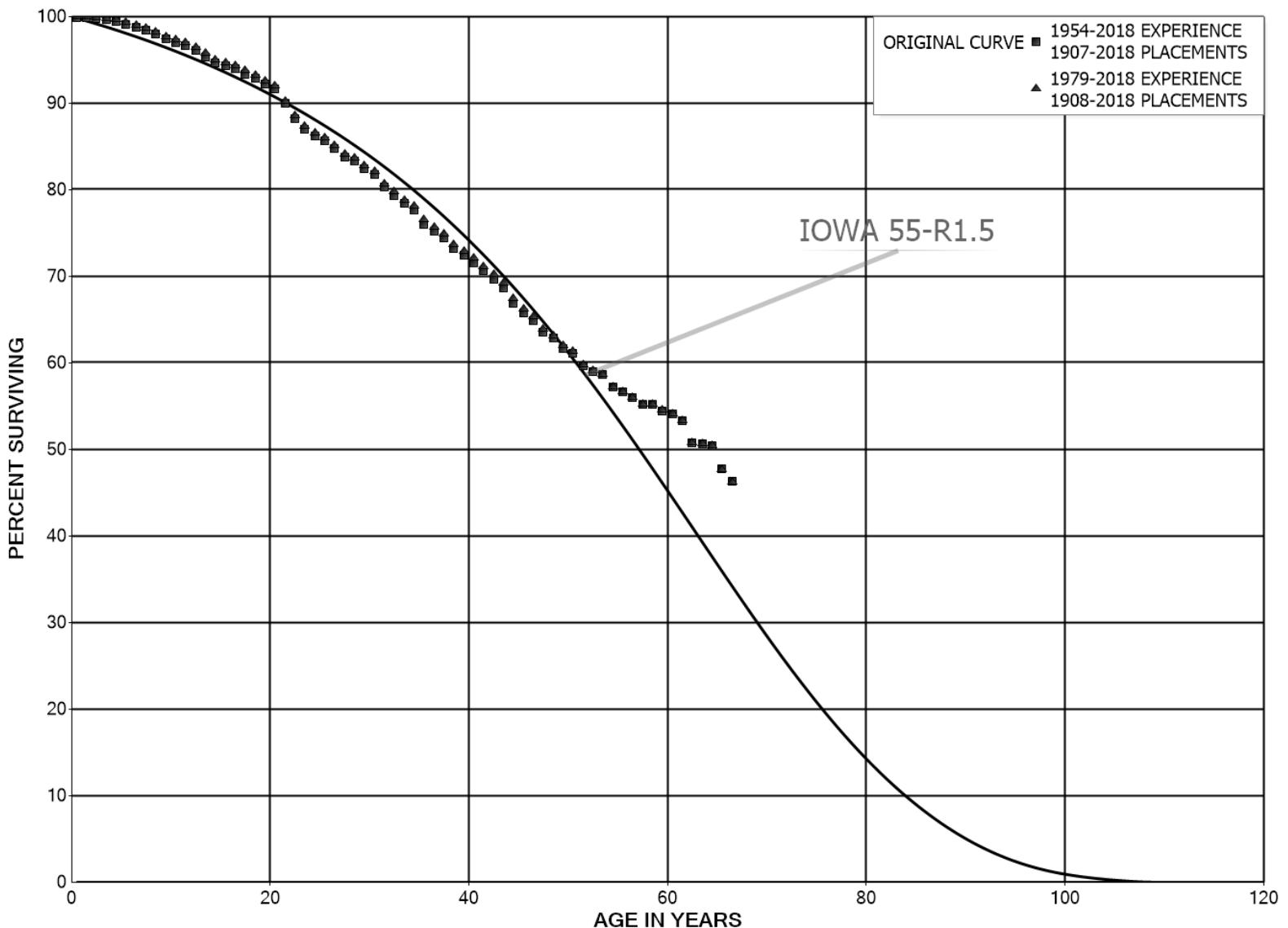
## DUKE ENERGY PROGRESS

## ACCOUNT 352 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1906-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	565,403	462	0.0008	0.9992	77.75
80.5	556,219	1,123	0.0020	0.9980	77.69
81.5	505,888	36,119	0.0714	0.9286	77.53
82.5	263,661	56	0.0002	0.9998	71.99
83.5	263,605	546	0.0021	0.9979	71.98
84.5	263,059		0.0000	1.0000	71.83
85.5	263,059	97	0.0004	0.9996	71.83
86.5	262,962	176	0.0007	0.9993	71.80
87.5	256,338	767	0.0030	0.9970	71.76
88.5	228,772		0.0000	1.0000	71.54
89.5	228,772	2,350	0.0103	0.9897	71.54
90.5	151,589	1,422	0.0094	0.9906	70.81
91.5	107,114	77	0.0007	0.9993	70.14
92.5	104,805	1,544	0.0147	0.9853	70.09
93.5	60,490	782	0.0129	0.9871	69.06
94.5	38,962	1,483	0.0381	0.9619	68.17
95.5					65.57

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ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1907-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,231,888,961	1,766,576	0.0014	0.9986	100.00
0.5	1,146,272,903	575,155	0.0005	0.9995	99.86
1.5	1,087,830,316	973,958	0.0009	0.9991	99.81
2.5	1,060,743,709	1,509,590	0.0014	0.9986	99.72
3.5	1,019,215,078	2,085,127	0.0020	0.9980	99.58
4.5	988,051,417	2,910,912	0.0029	0.9971	99.37
5.5	886,707,371	3,439,429	0.0039	0.9961	99.08
6.5	818,929,757	2,573,231	0.0031	0.9969	98.69
7.5	763,823,844	3,326,110	0.0044	0.9956	98.38
8.5	719,723,943	4,203,269	0.0058	0.9942	97.96
9.5	666,203,519	2,737,708	0.0041	0.9959	97.38
10.5	611,876,482	2,557,107	0.0042	0.9958	96.98
11.5	586,351,276	3,173,778	0.0054	0.9946	96.58
12.5	567,585,491	4,257,002	0.0075	0.9925	96.06
13.5	546,763,324	3,954,890	0.0072	0.9928	95.34
14.5	523,323,536	2,003,287	0.0038	0.9962	94.65
15.5	502,555,796	1,709,784	0.0034	0.9966	94.28
16.5	471,285,692	3,157,085	0.0067	0.9933	93.96
17.5	440,229,102	2,511,272	0.0057	0.9943	93.33
18.5	404,334,148	2,757,530	0.0068	0.9932	92.80
19.5	388,308,107	2,274,601	0.0059	0.9941	92.17
20.5	371,973,018	7,040,639	0.0189	0.9811	91.63
21.5	362,983,793	7,054,130	0.0194	0.9806	89.89
22.5	345,307,385	4,634,589	0.0134	0.9866	88.15
23.5	326,083,461	2,998,875	0.0092	0.9908	86.96
24.5	318,206,982	1,988,115	0.0062	0.9938	86.16
25.5	302,020,046	3,171,986	0.0105	0.9895	85.63
26.5	281,310,252	3,378,462	0.0120	0.9880	84.73
27.5	271,768,160	1,461,647	0.0054	0.9946	83.71
28.5	256,697,291	2,514,443	0.0098	0.9902	83.26
29.5	247,692,216	2,228,598	0.0090	0.9910	82.44
30.5	233,444,073	4,156,816	0.0178	0.9822	81.70
31.5	205,368,208	2,347,788	0.0114	0.9886	80.25
32.5	186,674,044	2,282,061	0.0122	0.9878	79.33
33.5	174,980,827	1,606,528	0.0092	0.9908	78.36
34.5	166,560,236	3,520,318	0.0211	0.9789	77.64
35.5	122,604,792	1,392,201	0.0114	0.9886	76.00
36.5	117,684,506	1,190,385	0.0101	0.9899	75.14
37.5	108,406,097	1,722,382	0.0159	0.9841	74.38
38.5	95,585,114	1,111,638	0.0116	0.9884	73.19

## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1907-2018			EXPERIENCE BAND 1954-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	82,479,148	913,216	0.0111	0.9889	72.34	
40.5	77,924,825	1,028,426	0.0132	0.9868	71.54	
41.5	65,741,401	965,293	0.0147	0.9853	70.60	
42.5	60,287,696	823,356	0.0137	0.9863	69.56	
43.5	54,893,152	1,397,255	0.0255	0.9745	68.61	
44.5	48,051,077	799,619	0.0166	0.9834	66.86	
45.5	41,185,061	578,418	0.0140	0.9860	65.75	
46.5	34,703,893	724,516	0.0209	0.9791	64.83	
47.5	28,134,022	303,407	0.0108	0.9892	63.47	
48.5	23,911,853	433,918	0.0181	0.9819	62.79	
49.5	21,977,462	200,321	0.0091	0.9909	61.65	
50.5	18,286,502	440,287	0.0241	0.9759	61.09	
51.5	15,147,181	177,433	0.0117	0.9883	59.62	
52.5	13,122,523	79,656	0.0061	0.9939	58.92	
53.5	11,952,176	287,845	0.0241	0.9759	58.56	
54.5	11,285,943	106,954	0.0095	0.9905	57.15	
55.5	10,970,699	132,143	0.0120	0.9880	56.61	
56.5	9,930,576	130,057	0.0131	0.9869	55.93	
57.5	9,757,876	11,057	0.0011	0.9989	55.20	
58.5	8,779,191	111,159	0.0127	0.9873	55.13	
59.5	8,570,146	53,788	0.0063	0.9937	54.44	
60.5	7,914,752	119,167	0.0151	0.9849	54.09	
61.5	7,780,945	378,873	0.0487	0.9513	53.28	
62.5	6,510,811	12,834	0.0020	0.9980	50.68	
63.5	6,442,806	22,082	0.0034	0.9966	50.58	
64.5	5,923,167	321,151	0.0542	0.9458	50.41	
65.5	5,510,225	166,757	0.0303	0.9697	47.68	
66.5	4,128,777	29,954	0.0073	0.9927	46.24	
67.5	3,322,156	60,970	0.0184	0.9816	45.90	
68.5	2,979,631	21,674	0.0073	0.9927	45.06	
69.5	2,142,089	2,341	0.0011	0.9989	44.73	
70.5	2,127,999	35,343	0.0166	0.9834	44.68	
71.5	1,776,224	12,178	0.0069	0.9931	43.94	
72.5	1,762,172	2,480	0.0014	0.9986	43.64	
73.5	1,759,186	30,914	0.0176	0.9824	43.58	
74.5	1,728,021	13,607	0.0079	0.9921	42.81	
75.5	1,703,743	130,374	0.0765	0.9235	42.47	
76.5	1,354,910	38,913	0.0287	0.9713	39.22	
77.5	1,254,402	11,746	0.0094	0.9906	38.10	
78.5	1,214,409	20,163	0.0166	0.9834	37.74	

## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1907-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,188,547	23,895	0.0201	0.9799	37.11
80.5	1,144,991	579	0.0005	0.9995	36.37
81.5	1,132,234	53,291	0.0471	0.9529	36.35
82.5	950,097	83,855	0.0883	0.9117	34.64
83.5	849,123	84,054	0.0990	0.9010	31.58
84.5	731,754	92,524	0.1264	0.8736	28.45
85.5	638,886	17,149	0.0268	0.9732	24.86
86.5	621,738	90	0.0001	0.9999	24.19
87.5	619,458	26	0.0000	1.0000	24.19
88.5	541,209		0.0000	1.0000	24.19
89.5	527,957	264,239	0.5005	0.4995	24.19
90.5	259,314	22,876	0.0882	0.9118	12.08
91.5	236,438	16,521	0.0699	0.9301	11.01
92.5	219,917	90,609	0.4120	0.5880	10.25
93.5	129,307	1,903	0.0147	0.9853	6.02
94.5	127,404	11,542	0.0906	0.9094	5.94
95.5	115,863	84,713	0.7311	0.2689	5.40
96.5	31,150	1,103	0.0354	0.9646	1.45
97.5	30,047		0.0000	1.0000	1.40
98.5	30,047		0.0000	1.0000	1.40
99.5	30,047	809	0.0269	0.9731	1.40
100.5	29,238		0.0000	1.0000	1.36
101.5	29,238		0.0000	1.0000	1.36
102.5	29,238	471	0.0161	0.9839	1.36
103.5	28,767		0.0000	1.0000	1.34
104.5	28,767		0.0000	1.0000	1.34
105.5	28,767	3,962	0.1377	0.8623	1.34
106.5	24,805		0.0000	1.0000	1.16
107.5	24,805	9,597	0.3869	0.6131	1.16
108.5	15,208	15,208	1.0000		0.71
109.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,124,699,083	368,882	0.0003	0.9997	100.00
0.5	1,041,595,758	528,098	0.0005	0.9995	99.97
1.5	995,412,730	825,409	0.0008	0.9992	99.92
2.5	973,402,209	1,383,563	0.0014	0.9986	99.83
3.5	944,055,212	1,203,189	0.0013	0.9987	99.69
4.5	921,937,155	2,718,786	0.0029	0.9971	99.56
5.5	829,509,075	2,965,440	0.0036	0.9964	99.27
6.5	771,935,555	2,428,763	0.0031	0.9969	98.92
7.5	724,733,339	3,015,878	0.0042	0.9958	98.60
8.5	685,693,035	4,073,029	0.0059	0.9941	98.19
9.5	634,591,406	2,193,047	0.0035	0.9965	97.61
10.5	586,287,602	2,182,238	0.0037	0.9963	97.27
11.5	565,018,307	2,957,574	0.0052	0.9948	96.91
12.5	549,394,281	4,160,503	0.0076	0.9924	96.40
13.5	530,972,584	3,776,225	0.0071	0.9929	95.67
14.5	508,603,750	1,974,602	0.0039	0.9961	94.99
15.5	488,297,524	1,657,202	0.0034	0.9966	94.63
16.5	458,125,414	2,967,380	0.0065	0.9935	94.30
17.5	427,361,147	2,328,886	0.0054	0.9946	93.69
18.5	393,447,769	2,707,136	0.0069	0.9931	93.18
19.5	378,265,741	2,232,667	0.0059	0.9941	92.54
20.5	362,930,575	6,970,542	0.0192	0.9808	92.00
21.5	354,247,618	6,747,612	0.0190	0.9810	90.23
22.5	337,879,442	4,593,078	0.0136	0.9864	88.51
23.5	318,396,400	2,945,270	0.0093	0.9907	87.31
24.5	310,961,608	1,952,735	0.0063	0.9937	86.50
25.5	293,923,152	3,078,153	0.0105	0.9895	85.96
26.5	274,813,436	3,308,737	0.0120	0.9880	85.06
27.5	266,140,284	1,425,945	0.0054	0.9946	84.03
28.5	251,354,229	2,459,340	0.0098	0.9902	83.58
29.5	243,338,568	2,121,451	0.0087	0.9913	82.76
30.5	229,021,734	4,071,598	0.0178	0.9822	82.04
31.5	201,336,701	2,281,260	0.0113	0.9887	80.58
32.5	182,776,449	2,239,099	0.0123	0.9877	79.67
33.5	171,123,475	1,350,156	0.0079	0.9921	78.69
34.5	162,945,433	3,351,356	0.0206	0.9794	78.07
35.5	119,236,928	1,304,385	0.0109	0.9891	76.47
36.5	114,674,287	1,174,887	0.0102	0.9898	75.63
37.5	105,482,088	1,699,347	0.0161	0.9839	74.86
38.5	92,737,598	1,060,263	0.0114	0.9886	73.65

## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	79,690,268	862,374	0.0108	0.9892	72.81
40.5	75,218,367	964,324	0.0128	0.9872	72.02
41.5	63,132,558	841,880	0.0133	0.9867	71.10
42.5	57,969,440	776,214	0.0134	0.9866	70.15
43.5	52,629,741	1,396,337	0.0265	0.9735	69.21
44.5	45,864,335	799,619	0.0174	0.9826	67.37
45.5	39,012,047	565,798	0.0145	0.9855	66.20
46.5	32,545,221	718,266	0.0221	0.9779	65.24
47.5	25,983,819	288,587	0.0111	0.9889	63.80
48.5	21,964,061	416,564	0.0190	0.9810	63.09
49.5	20,214,971	200,321	0.0099	0.9901	61.89
50.5	17,591,273	440,287	0.0250	0.9750	61.28
51.5	14,590,867	177,433	0.0122	0.9878	59.75
52.5	12,601,412	79,071	0.0063	0.9937	59.02
53.5	11,622,777	287,845	0.0248	0.9752	58.65
54.5	11,117,433	106,726	0.0096	0.9904	57.20
55.5	10,830,266	132,143	0.0122	0.9878	56.65
56.5	9,879,149	130,037	0.0132	0.9868	55.96
57.5	9,709,151	11,057	0.0011	0.9989	55.22
58.5	8,730,565	110,769	0.0127	0.9873	55.16
59.5	8,535,984	53,788	0.0063	0.9937	54.46
60.5	7,881,438	119,167	0.0151	0.9849	54.11
61.5	7,748,722	378,873	0.0489	0.9511	53.30
62.5	6,478,619	12,834	0.0020	0.9980	50.69
63.5	6,413,008	22,062	0.0034	0.9966	50.59
64.5	5,893,878	321,151	0.0545	0.9455	50.42
65.5	5,480,966	166,757	0.0304	0.9696	47.67
66.5	4,103,570	29,954	0.0073	0.9927	46.22
67.5	3,296,974	60,970	0.0185	0.9815	45.88
68.5	2,964,048	21,674	0.0073	0.9927	45.03
69.5	2,142,051	2,341	0.0011	0.9989	44.70
70.5	2,127,999	35,343	0.0166	0.9834	44.65
71.5	1,776,224	12,178	0.0069	0.9931	43.91
72.5	1,762,172	2,480	0.0014	0.9986	43.61
73.5	1,759,186	30,914	0.0176	0.9824	43.55
74.5	1,728,021	13,607	0.0079	0.9921	42.79
75.5	1,703,743	130,374	0.0765	0.9235	42.45
76.5	1,354,910	38,913	0.0287	0.9713	39.20
77.5	1,254,402	11,746	0.0094	0.9906	38.07
78.5	1,214,409	20,163	0.0166	0.9834	37.72

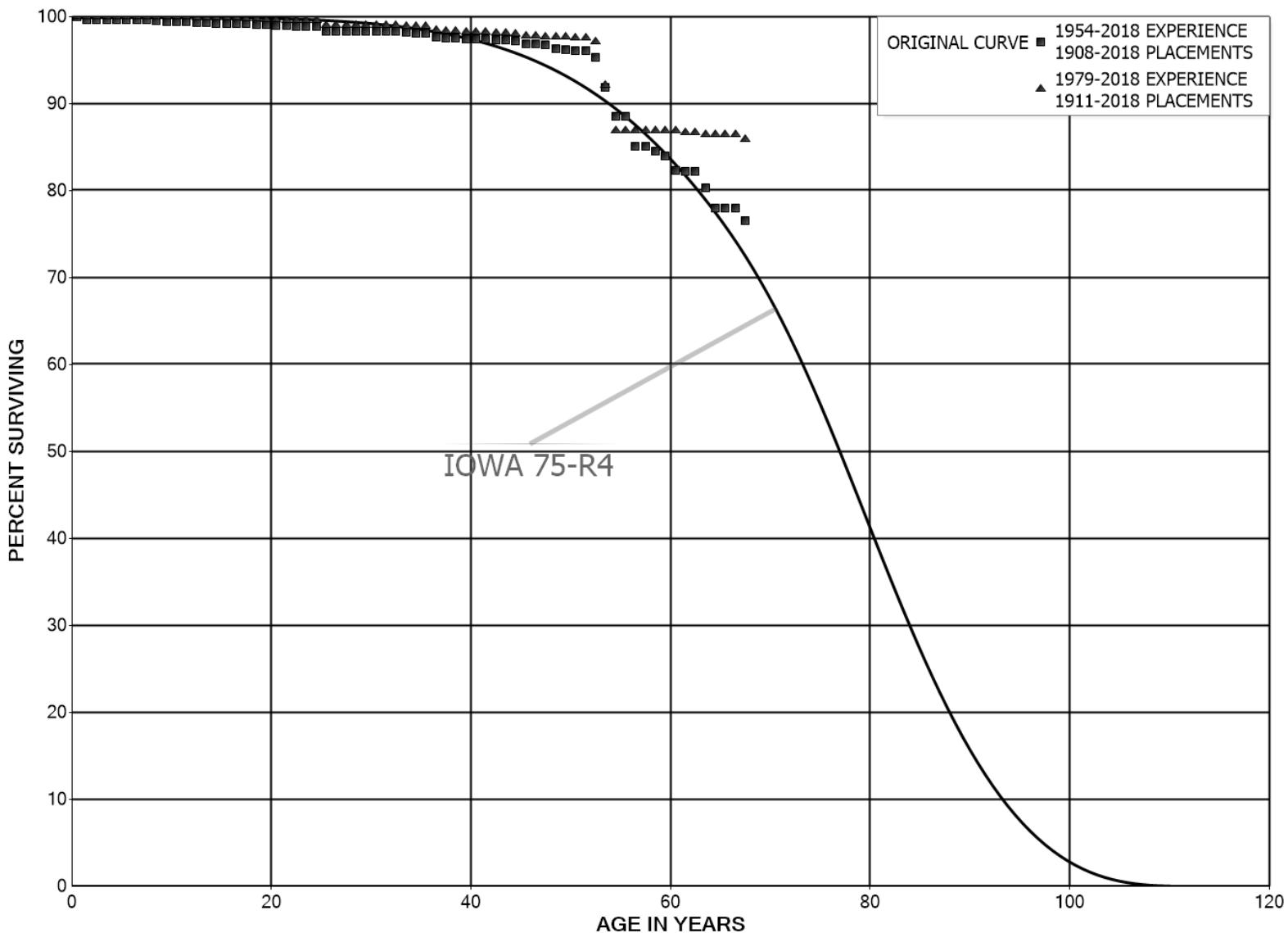
## DUKE ENERGY PROGRESS

## ACCOUNT 353 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,188,547	23,895	0.0201	0.9799	37.09
80.5	1,144,991	579	0.0005	0.9995	36.35
81.5	1,132,234	53,291	0.0471	0.9529	36.33
82.5	950,097	83,855	0.0883	0.9117	34.62
83.5	849,123	84,054	0.0990	0.9010	31.56
84.5	731,754	92,524	0.1264	0.8736	28.44
85.5	638,886	17,149	0.0268	0.9732	24.84
86.5	621,738	90	0.0001	0.9999	24.18
87.5	619,458	26	0.0000	1.0000	24.17
88.5	541,209		0.0000	1.0000	24.17
89.5	527,957	264,239	0.5005	0.4995	24.17
90.5	259,314	22,876	0.0882	0.9118	12.07
91.5	236,438	16,521	0.0699	0.9301	11.01
92.5	219,917	90,609	0.4120	0.5880	10.24
93.5	129,307	1,903	0.0147	0.9853	6.02
94.5	127,404	11,542	0.0906	0.9094	5.93
95.5	115,863	84,713	0.7311	0.2689	5.39
96.5	31,150	1,103	0.0354	0.9646	1.45
97.5	30,047		0.0000	1.0000	1.40
98.5	30,047		0.0000	1.0000	1.40
99.5	30,047	809	0.0269	0.9731	1.40
100.5	29,238		0.0000	1.0000	1.36
101.5	29,238		0.0000	1.0000	1.36
102.5	29,238	471	0.0161	0.9839	1.36
103.5	28,767		0.0000	1.0000	1.34
104.5	28,767		0.0000	1.0000	1.34
105.5	28,767	3,962	0.1377	0.8623	1.34
106.5	24,805		0.0000	1.0000	1.15
107.5	24,805	9,597	0.3869	0.6131	1.15
108.5	15,208	15,208	1.0000		0.71
109.5					

DUKE ENERGY PROGRESS  
ACCOUNT 354 TOWERS AND FIXTURES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	EXPERIENCE BAND 1954-2018
0.0	78,664,973	982	0.0000	1.0000	100.00	
0.5	65,261,308	215,189	0.0033	0.9967	100.00	
1.5	61,191,752		0.0000	1.0000	99.67	
2.5	61,144,505		0.0000	1.0000	99.67	
3.5	61,156,855		0.0000	1.0000	99.67	
4.5	60,564,286	25,286	0.0004	0.9996	99.67	
5.5	58,790,455	3,528	0.0001	0.9999	99.63	
6.5	58,628,065	19,498	0.0003	0.9997	99.62	
7.5	58,595,914	46,013	0.0008	0.9992	99.59	
8.5	58,449,625	39,008	0.0007	0.9993	99.51	
9.5	57,978,996	24,550	0.0004	0.9996	99.44	
10.5	56,201,421	13,346	0.0002	0.9998	99.40	
11.5	56,179,493	42,334	0.0008	0.9992	99.38	
12.5	56,386,583	15	0.0000	1.0000	99.30	
13.5	56,253,932	43,547	0.0008	0.9992	99.30	
14.5	56,250,594	13,380	0.0002	0.9998	99.23	
15.5	56,421,564	13,113	0.0002	0.9998	99.20	
16.5	56,450,308	20,508	0.0004	0.9996	99.18	
17.5	56,561,792	24,539	0.0004	0.9996	99.14	
18.5	56,557,467	38,417	0.0007	0.9993	99.10	
19.5	56,446,458	29,957	0.0005	0.9995	99.03	
20.5	56,218,892	30,679	0.0005	0.9995	98.98	
21.5	56,369,066	30,934	0.0005	0.9995	98.93	
22.5	56,337,090	28,075	0.0005	0.9995	98.87	
23.5	56,208,041	7,213	0.0001	0.9999	98.82	
24.5	56,662,259	298,043	0.0053	0.9947	98.81	
25.5	56,363,772	7,725	0.0001	0.9999	98.29	
26.5	52,286,671	15,543	0.0003	0.9997	98.28	
27.5	52,706,341	242	0.0000	1.0000	98.25	
28.5	52,866,237	990	0.0000	1.0000	98.25	
29.5	52,874,454	3,065	0.0001	0.9999	98.25	
30.5	53,172,484	126	0.0000	1.0000	98.24	
31.5	55,881,996		0.0000	1.0000	98.24	
32.5	55,774,904	18,789	0.0003	0.9997	98.24	
33.5	36,624,071	34,423	0.0009	0.9991	98.21	
34.5	34,582,544	4,921	0.0001	0.9999	98.11	
35.5	32,578,054	153,778	0.0047	0.9953	98.10	
36.5	18,387,304	16,350	0.0009	0.9991	97.64	
37.5	17,803,416	4,347	0.0002	0.9998	97.55	
38.5	17,765,103	18,303	0.0010	0.9990	97.53	

## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
39.5	17,177,380	3,059	0.0002	0.9998	97.43
40.5	16,820,818	6,242	0.0004	0.9996	97.41
41.5	16,258,770	11,630	0.0007	0.9993	97.37
42.5	16,153,245	4,206	0.0003	0.9997	97.30
43.5	13,892,446	14,078	0.0010	0.9990	97.28
44.5	13,892,195	41,614	0.0030	0.9970	97.18
45.5	13,378,973	1,693	0.0001	0.9999	96.89
46.5	9,692,847	13,361	0.0014	0.9986	96.88
47.5	8,494,121	36,339	0.0043	0.9957	96.74
48.5	8,516,288	15,158	0.0018	0.9982	96.33
49.5	8,076,169	10,782	0.0013	0.9987	96.16
50.5	7,436,779	1,124	0.0002	0.9998	96.03
51.5	6,227,122	49,884	0.0080	0.9920	96.01
52.5	3,799,737	134,784	0.0355	0.9645	95.24
53.5	2,808,664	103,956	0.0370	0.9630	91.87
54.5	2,628,595		0.0000	1.0000	88.47
55.5	2,448,608	93,420	0.0382	0.9618	88.47
56.5	2,333,129		0.0000	1.0000	85.09
57.5	2,239,870	16,275	0.0073	0.9927	85.09
58.5	2,169,635	14,191	0.0065	0.9935	84.47
59.5	2,118,612	40,156	0.0190	0.9810	83.92
60.5	1,978,691	4,453	0.0023	0.9977	82.33
61.5	1,972,950	548	0.0003	0.9997	82.14
62.5	1,972,402	43,954	0.0223	0.9777	82.12
63.5	1,928,448	56,000	0.0290	0.9710	80.29
64.5	1,872,448	586	0.0003	0.9997	77.96
65.5	1,871,862		0.0000	1.0000	77.94
66.5	1,851,324	32,893	0.0178	0.9822	77.94
67.5	1,788,385	815	0.0005	0.9995	76.55
68.5	1,785,512	494	0.0003	0.9997	76.52
69.5	1,785,018	954	0.0005	0.9995	76.49
70.5	1,784,064		0.0000	1.0000	76.45
71.5	1,784,064	6	0.0000	1.0000	76.45
72.5	1,784,059	3,207	0.0018	0.9982	76.45
73.5	1,780,851		0.0000	1.0000	76.32
74.5	1,780,851		0.0000	1.0000	76.32
75.5	1,780,851		0.0000	1.0000	76.32
76.5	1,780,851	97,347	0.0547	0.9453	76.32
77.5	1,683,504	76,366	0.0454	0.9546	72.14
78.5	1,607,138	1,907	0.0012	0.9988	68.87

## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,605,230		0.0000	1.0000	68.79
80.5	1,605,230	13,973	0.0087	0.9913	68.79
81.5	1,542,516	1,147	0.0007	0.9993	68.19
82.5	1,541,369		0.0000	1.0000	68.14
83.5	1,541,369	10,707	0.0069	0.9931	68.14
84.5	1,530,662	20,966	0.0137	0.9863	67.67
85.5	1,509,696	7,981	0.0053	0.9947	66.74
86.5	1,501,715	4,128	0.0027	0.9973	66.39
87.5	1,497,588	3,364	0.0022	0.9978	66.21
88.5	1,491,127	9,094	0.0061	0.9939	66.06
89.5	1,158,563	9,503	0.0082	0.9918	65.65
90.5	1,149,060	8,439	0.0073	0.9927	65.11
91.5	876,648	4,259	0.0049	0.9951	64.64
92.5	789,014	3,756	0.0048	0.9952	64.32
93.5	668,431	1,820	0.0027	0.9973	64.02
94.5	661,366	13,676	0.0207	0.9793	63.84
95.5	389,464	9,880	0.0254	0.9746	62.52
96.5	110,996		0.0000	1.0000	60.94
97.5	110,996		0.0000	1.0000	60.94
98.5	110,996		0.0000	1.0000	60.94
99.5	69,711		0.0000	1.0000	60.94
100.5	69,711		0.0000	1.0000	60.94
101.5	69,711	570	0.0082	0.9918	60.94
102.5	69,141	2,091	0.0302	0.9698	60.44
103.5	13,652		0.0000	1.0000	58.61
104.5	13,652		0.0000	1.0000	58.61
105.5	13,652	189	0.0139	0.9861	58.61
106.5	13,462	1,896	0.1408	0.8592	57.80
107.5					49.66

## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	62,330,360		0.0000	1.0000	100.00
0.5	49,266,182		0.0000	1.0000	100.00
1.5	46,081,548		0.0000	1.0000	100.00
2.5	46,536,669		0.0000	1.0000	100.00
3.5	49,386,735		0.0000	1.0000	100.00
4.5	48,818,563		0.0000	1.0000	100.00
5.5	47,579,093		0.0000	1.0000	100.00
6.5	50,859,362		0.0000	1.0000	100.00
7.5	52,079,985		0.0000	1.0000	100.00
8.5	51,989,383	2,565	0.0000	1.0000	100.00
9.5	51,808,116	18,217	0.0004	0.9996	100.00
10.5	50,832,005		0.0000	1.0000	99.96
11.5	51,973,867	42,334	0.0008	0.9992	99.96
12.5	54,577,340		0.0000	1.0000	99.88
13.5	55,426,045	38,201	0.0007	0.9993	99.88
14.5	55,704,310	2,380	0.0000	1.0000	99.81
15.5	55,898,429	13,113	0.0002	0.9998	99.81
16.5	55,901,178	20,368	0.0004	0.9996	99.78
17.5	56,107,629	18,773	0.0003	0.9997	99.75
18.5	56,163,032	26,841	0.0005	0.9995	99.71
19.5	56,196,955	29,957	0.0005	0.9995	99.66
20.5	56,068,538	30,679	0.0005	0.9995	99.61
21.5	56,220,001	30,934	0.0006	0.9994	99.56
22.5	56,188,024	13,040	0.0002	0.9998	99.50
23.5	56,069,922	4,626	0.0001	0.9999	99.48
24.5	56,166,094	288,215	0.0051	0.9949	99.47
25.5	55,878,880	7,725	0.0001	0.9999	98.96
26.5	51,501,338	15,543	0.0003	0.9997	98.95
27.5	51,555,774		0.0000	1.0000	98.92
28.5	51,509,317	411	0.0000	1.0000	98.92
29.5	51,506,734		0.0000	1.0000	98.92
30.5	51,507,601	54	0.0000	1.0000	98.92
31.5	53,911,812		0.0000	1.0000	98.92
32.5	53,803,335	18,378	0.0003	0.9997	98.92
33.5	34,652,913	1,868	0.0001	0.9999	98.88
34.5	32,491,098		0.0000	1.0000	98.88
35.5	30,491,530	153,778	0.0050	0.9950	98.88
36.5	16,290,803	10,965	0.0007	0.9993	98.38
37.5	15,715,365	4,337	0.0003	0.9997	98.31
38.5	15,620,840	18,303	0.0012	0.9988	98.28

## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	15,033,077	614	0.0000	1.0000	98.17	
40.5	14,678,734	2,546	0.0002	0.9998	98.17	
41.5	14,115,655	11,630	0.0008	0.9992	98.15	
42.5	13,856,706		0.0000	1.0000	98.07	
43.5	11,599,226	12,509	0.0011	0.9989	98.07	
44.5	11,573,355	25,328	0.0022	0.9978	97.96	
45.5	11,068,483		0.0000	1.0000	97.75	
46.5	7,384,051	10,447	0.0014	0.9986	97.75	
47.5	6,188,239		0.0000	1.0000	97.61	
48.5	6,180,139		0.0000	1.0000	97.61	
49.5	6,109,203	8,283	0.0014	0.9986	97.61	
50.5	5,472,312	597	0.0001	0.9999	97.48	
51.5	4,644,405	18,081	0.0039	0.9961	97.47	
52.5	2,594,719	134,464	0.0518	0.9482	97.09	
53.5	1,812,587	103,611	0.0572	0.9428	92.06	
54.5	1,643,831		0.0000	1.0000	86.79	
55.5	1,731,852		0.0000	1.0000	86.79	
56.5	2,015,017		0.0000	1.0000	86.79	
57.5	1,921,758		0.0000	1.0000	86.79	
58.5	1,867,798		0.0000	1.0000	86.79	
59.5	1,876,386		0.0000	1.0000	86.79	
60.5	1,776,621	2,561	0.0014	0.9986	86.79	
61.5	1,772,772	548	0.0003	0.9997	86.67	
62.5	1,772,224	3,954	0.0022	0.9978	86.64	
63.5	1,824,180		0.0000	1.0000	86.45	
64.5	1,824,180		0.0000	1.0000	86.45	
65.5	1,824,180		0.0000	1.0000	86.45	
66.5	1,815,536	11,893	0.0066	0.9934	86.45	
67.5	1,788,385	815	0.0005	0.9995	85.88	
68.5	1,785,512	494	0.0003	0.9997	85.84	
69.5	1,785,018	954	0.0005	0.9995	85.82	
70.5	1,784,064		0.0000	1.0000	85.77	
71.5	1,784,064	6	0.0000	1.0000	85.77	
72.5	1,784,059	3,207	0.0018	0.9982	85.77	
73.5	1,780,851		0.0000	1.0000	85.62	
74.5	1,780,851		0.0000	1.0000	85.62	
75.5	1,780,851		0.0000	1.0000	85.62	
76.5	1,780,851	97,347	0.0547	0.9453	85.62	
77.5	1,683,504	76,366	0.0454	0.9546	80.94	
78.5	1,607,138	1,907	0.0012	0.9988	77.27	

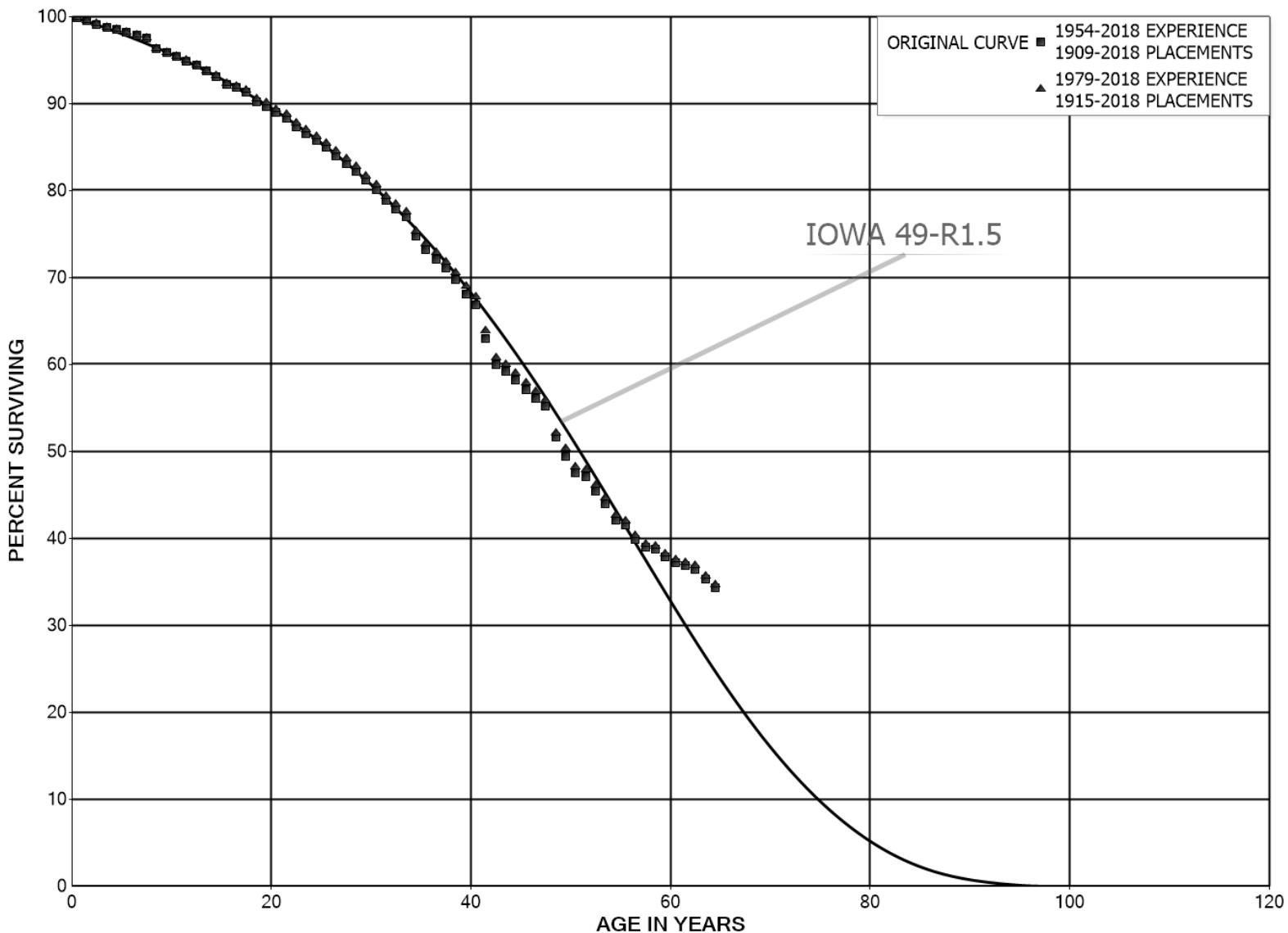
## DUKE ENERGY PROGRESS

## ACCOUNT 354 TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETM T	SURV R	PCT SURV BEGIN OF INTERVAL	
79.5	1,605,230		0.0000	1.0000	77.18	
80.5	1,605,230	13,973	0.0087	0.9913	77.18	
81.5	1,542,516	1,147	0.0007	0.9993	76.50	
82.5	1,541,369		0.0000	1.0000	76.45	
83.5	1,541,369	10,707	0.0069	0.9931	76.45	
84.5	1,530,662	20,966	0.0137	0.9863	75.92	
85.5	1,509,696	7,981	0.0053	0.9947	74.88	
86.5	1,501,715	4,128	0.0027	0.9973	74.48	
87.5	1,497,588	3,364	0.0022	0.9978	74.28	
88.5	1,491,127	9,094	0.0061	0.9939	74.11	
89.5	1,158,563	9,503	0.0082	0.9918	73.66	
90.5	1,149,060	8,439	0.0073	0.9927	73.05	
91.5	876,648	4,259	0.0049	0.9951	72.52	
92.5	789,014	3,756	0.0048	0.9952	72.16	
93.5	668,431	1,820	0.0027	0.9973	71.82	
94.5	661,366	13,676	0.0207	0.9793	71.62	
95.5	389,464	9,880	0.0254	0.9746	70.14	
96.5	110,996		0.0000	1.0000	68.36	
97.5	110,996		0.0000	1.0000	68.36	
98.5	110,996		0.0000	1.0000	68.36	
99.5	69,711		0.0000	1.0000	68.36	
100.5	69,711		0.0000	1.0000	68.36	
101.5	69,711	570	0.0082	0.9918	68.36	
102.5	69,141	2,091	0.0302	0.9698	67.80	
103.5	13,652		0.0000	1.0000	65.75	
104.5	13,652		0.0000	1.0000	65.75	
105.5	13,652	189	0.0139	0.9861	65.75	
106.5	13,462	1,896	0.1408	0.8592	64.84	
107.5					55.71	

DUKE ENERGY PROGRESS  
ACCOUNT 355 POLES AND FIXTURES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	805,758,275	1,648,867	0.0020	0.9980	100.00
0.5	705,684,050	2,268,911	0.0032	0.9968	99.80
1.5	678,063,696	2,526,342	0.0037	0.9963	99.47
2.5	661,865,083	2,681,819	0.0041	0.9959	99.10
3.5	655,429,500	1,161,234	0.0018	0.9982	98.70
4.5	579,215,647	2,019,313	0.0035	0.9965	98.53
5.5	523,167,276	1,927,417	0.0037	0.9963	98.18
6.5	454,242,286	1,599,816	0.0035	0.9965	97.82
7.5	382,201,439	4,709,218	0.0123	0.9877	97.48
8.5	348,581,825	1,524,159	0.0044	0.9956	96.28
9.5	326,861,199	1,542,045	0.0047	0.9953	95.86
10.5	302,426,658	1,662,190	0.0055	0.9945	95.40
11.5	276,300,364	1,556,012	0.0056	0.9944	94.88
12.5	261,104,691	1,719,589	0.0066	0.9934	94.34
13.5	254,592,008	1,840,822	0.0072	0.9928	93.72
14.5	245,648,245	2,267,245	0.0092	0.9908	93.05
15.5	236,466,815	968,131	0.0041	0.9959	92.19
16.5	226,230,141	1,366,623	0.0060	0.9940	91.81
17.5	211,904,890	2,441,467	0.0115	0.9885	91.25
18.5	199,519,177	1,233,363	0.0062	0.9938	90.20
19.5	189,413,092	1,589,259	0.0084	0.9916	89.65
20.5	174,086,672	1,105,912	0.0064	0.9936	88.89
21.5	168,932,036	1,960,011	0.0116	0.9884	88.33
22.5	161,099,621	1,382,047	0.0086	0.9914	87.30
23.5	155,490,270	1,517,251	0.0098	0.9902	86.56
24.5	152,342,257	1,414,668	0.0093	0.9907	85.71
25.5	148,576,082	1,615,008	0.0109	0.9891	84.91
26.5	144,317,578	1,514,183	0.0105	0.9895	83.99
27.5	139,709,388	1,599,276	0.0114	0.9886	83.11
28.5	131,678,389	1,631,842	0.0124	0.9876	82.16
29.5	120,764,384	1,594,804	0.0132	0.9868	81.14
30.5	109,507,061	1,700,533	0.0155	0.9845	80.07
31.5	99,762,549	1,249,139	0.0125	0.9875	78.83
32.5	90,504,765	1,041,127	0.0115	0.9885	77.84
33.5	84,119,688	2,483,997	0.0295	0.9705	76.94
34.5	66,787,515	1,294,335	0.0194	0.9806	74.67
35.5	61,961,992	943,877	0.0152	0.9848	73.22
36.5	52,910,583	761,768	0.0144	0.9856	72.11
37.5	47,500,321	887,860	0.0187	0.9813	71.07
38.5	41,149,877	966,393	0.0235	0.9765	69.74

## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	35,781,977	644,302	0.0180	0.9820	68.10
40.5	31,928,062	1,864,959	0.0584	0.9416	66.88
41.5	26,388,380	1,276,704	0.0484	0.9516	62.97
42.5	22,931,734	278,808	0.0122	0.9878	59.93
43.5	20,670,390	375,100	0.0181	0.9819	59.20
44.5	18,357,059	317,419	0.0173	0.9827	58.12
45.5	12,767,546	227,611	0.0178	0.9822	57.12
46.5	9,059,661	152,001	0.0168	0.9832	56.10
47.5	8,564,710	556,949	0.0650	0.9350	55.16
48.5	6,504,340	273,696	0.0421	0.9579	51.57
49.5	6,085,574	238,289	0.0392	0.9608	49.40
50.5	5,507,571	48,793	0.0089	0.9911	47.47
51.5	3,938,660	141,033	0.0358	0.9642	47.05
52.5	2,670,463	81,544	0.0305	0.9695	45.36
53.5	2,280,818	98,488	0.0432	0.9568	43.98
54.5	1,972,615	29,261	0.0148	0.9852	42.08
55.5	1,942,444	77,080	0.0397	0.9603	41.45
56.5	1,795,560	41,395	0.0231	0.9769	39.81
57.5	1,426,911	7,537	0.0053	0.9947	38.89
58.5	1,338,688	30,412	0.0227	0.9773	38.69
59.5	1,242,236	21,131	0.0170	0.9830	37.81
60.5	1,149,566	9,708	0.0084	0.9916	37.16
61.5	1,136,896	12,735	0.0112	0.9888	36.85
62.5	1,056,044	33,383	0.0316	0.9684	36.44
63.5	938,164	27,022	0.0288	0.9712	35.28
64.5	846,797	3,283	0.0039	0.9961	34.27
65.5	715,850	10,594	0.0148	0.9852	34.14
66.5	530,119	2,070	0.0039	0.9961	33.63
67.5	497,384	2,127	0.0043	0.9957	33.50
68.5	481,025	5,091	0.0106	0.9894	33.36
69.5	455,397	322	0.0007	0.9993	33.00
70.5	399,486	2,299	0.0058	0.9942	32.98
71.5	396,131	1,296	0.0033	0.9967	32.79
72.5	379,673	17,573	0.0463	0.9537	32.68
73.5	362,099	10,903	0.0301	0.9699	31.17
74.5	350,376		0.0000	1.0000	30.23
75.5	289,495	414	0.0014	0.9986	30.23
76.5	278,921		0.0000	1.0000	30.19
77.5	215,587		0.0000	1.0000	30.19
78.5	215,587		0.0000	1.0000	30.19

## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	203,727		0.0000	1.0000	30.19
80.5	203,727		0.0000	1.0000	30.19
81.5	201,334		0.0000	1.0000	30.19
82.5	199,852		0.0000	1.0000	30.19
83.5	199,852		0.0000	1.0000	30.19
84.5	199,852	237	0.0012	0.9988	30.19
85.5	199,615		0.0000	1.0000	30.15
86.5	199,615	6,365	0.0319	0.9681	30.15
87.5	175,032	3,132	0.0179	0.9821	29.19
88.5	171,900	6,941	0.0404	0.9596	28.67
89.5	164,959	12,116	0.0734	0.9266	27.51
90.5	152,843	46,339	0.3032	0.6968	25.49
91.5	106,504	25,334	0.2379	0.7621	17.76
92.5	81,170	476	0.0059	0.9941	13.54
93.5	80,694	15,717	0.1948	0.8052	13.46
94.5	64,977	6,700	0.1031	0.8969	10.84
95.5	89,502		0.0000	1.0000	9.72
96.5	89,502	69,512	0.7767	0.2233	9.72
97.5	19,990		0.0000	1.0000	2.17
98.5	19,990	177	0.0089	0.9911	2.17
99.5	19,813	2,279	0.1150	0.8850	2.15
100.5	17,534	12,662	0.7221	0.2779	1.90
101.5	4,872		0.0000	1.0000	0.53
102.5	4,872	4,872	1.0000		0.53
103.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1915-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	749,280,898	1,002,049	0.0013	0.9987	100.00
0.5	656,174,572	2,264,410	0.0035	0.9965	99.87
1.5	633,357,033	2,499,213	0.0039	0.9961	99.52
2.5	623,021,740	2,629,539	0.0042	0.9958	99.13
3.5	621,522,254	1,099,277	0.0018	0.9982	98.71
4.5	548,819,728	1,972,673	0.0036	0.9964	98.54
5.5	500,355,602	1,810,682	0.0036	0.9964	98.18
6.5	436,370,896	1,496,360	0.0034	0.9966	97.83
7.5	365,642,315	4,591,982	0.0126	0.9874	97.49
8.5	334,566,721	1,441,264	0.0043	0.9957	96.27
9.5	314,517,390	1,373,048	0.0044	0.9956	95.85
10.5	291,139,520	1,547,412	0.0053	0.9947	95.43
11.5	268,137,669	1,488,203	0.0056	0.9944	94.93
12.5	254,156,405	1,670,265	0.0066	0.9934	94.40
13.5	248,421,090	1,727,116	0.0070	0.9930	93.78
14.5	240,264,154	2,185,574	0.0091	0.9909	93.13
15.5	231,162,235	880,257	0.0038	0.9962	92.28
16.5	221,250,018	959,988	0.0043	0.9957	91.93
17.5	208,192,573	2,207,365	0.0106	0.9894	91.53
18.5	196,267,826	1,177,935	0.0060	0.9940	90.56
19.5	186,673,972	1,532,733	0.0082	0.9918	90.02
20.5	171,590,409	1,034,308	0.0060	0.9940	89.28
21.5	166,559,195	1,925,741	0.0116	0.9884	88.74
22.5	158,847,671	1,319,488	0.0083	0.9917	87.71
23.5	153,351,302	1,403,701	0.0092	0.9908	86.98
24.5	150,538,215	1,318,777	0.0088	0.9912	86.19
25.5	147,109,873	1,588,923	0.0108	0.9892	85.43
26.5	143,021,128	1,488,784	0.0104	0.9896	84.51
27.5	138,299,061	1,560,144	0.0113	0.9887	83.63
28.5	130,337,780	1,615,480	0.0124	0.9876	82.69
29.5	119,321,344	1,576,302	0.0132	0.9868	81.66
30.5	108,130,636	1,686,534	0.0156	0.9844	80.58
31.5	98,401,352	1,196,816	0.0122	0.9878	79.33
32.5	89,193,391	994,529	0.0112	0.9888	78.36
33.5	82,854,912	2,397,067	0.0289	0.9711	77.49
34.5	65,729,848	1,209,458	0.0184	0.9816	75.25
35.5	61,062,491	886,450	0.0145	0.9855	73.86
36.5	52,066,195	755,597	0.0145	0.9855	72.79
37.5	46,775,773	786,249	0.0168	0.9832	71.73
38.5	40,523,270	938,226	0.0232	0.9768	70.53

## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

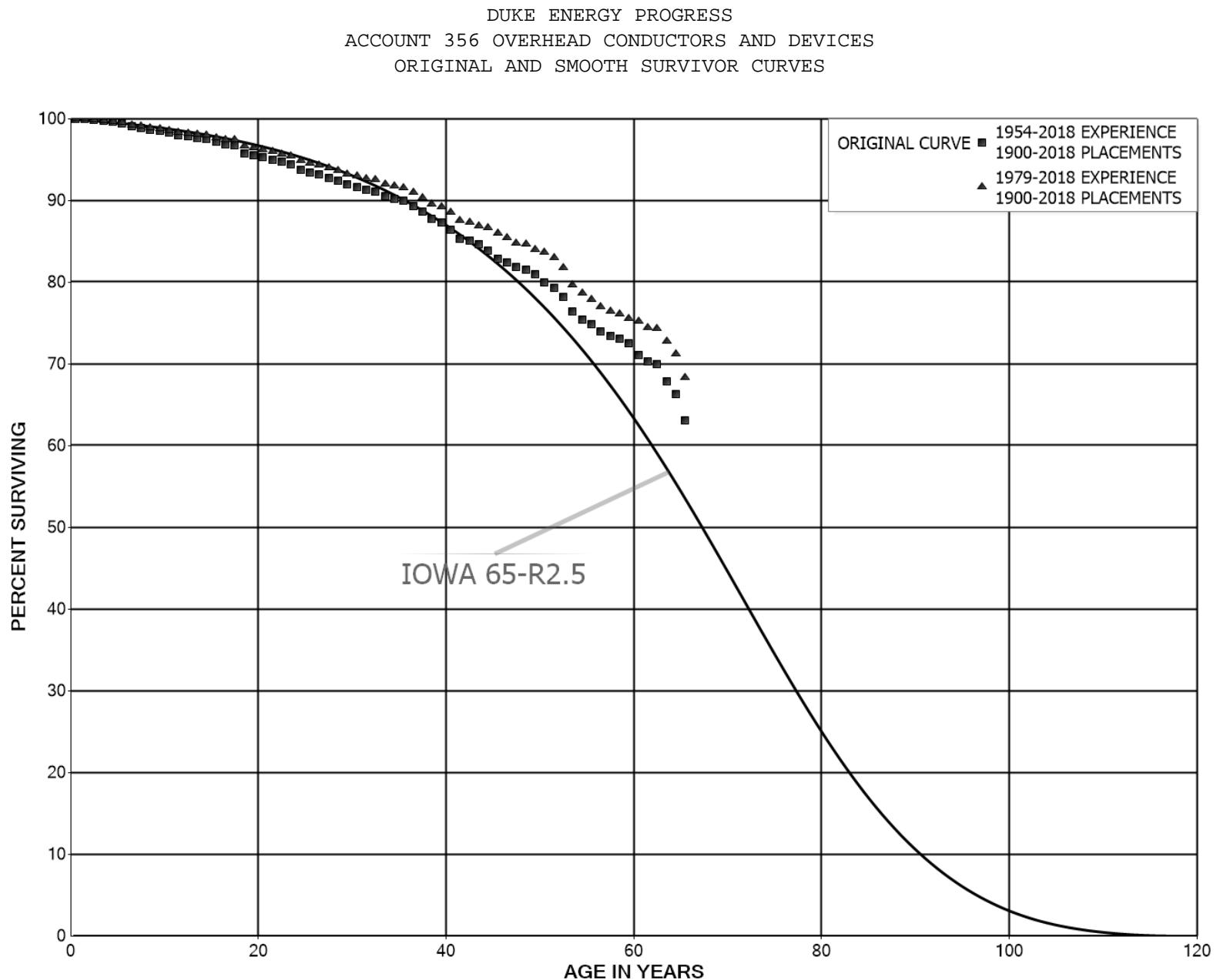
PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	35,195,524	619,683	0.0176	0.9824	68.89
40.5	31,366,228	1,763,882	0.0562	0.9438	67.68
41.5	25,942,426	1,273,478	0.0491	0.9509	63.88
42.5	22,490,488	275,707	0.0123	0.9877	60.74
43.5	20,232,245	362,241	0.0179	0.9821	59.99
44.5	17,931,487	315,465	0.0176	0.9824	58.92
45.5	12,343,928	223,961	0.0181	0.9819	57.88
46.5	8,639,692	149,873	0.0173	0.9827	56.83
47.5	8,204,660	556,003	0.0678	0.9322	55.85
48.5	6,157,013	216,567	0.0352	0.9648	52.06
49.5	5,816,127	238,088	0.0409	0.9591	50.23
50.5	5,251,020	35,561	0.0068	0.9932	48.18
51.5	3,822,687	141,033	0.0369	0.9631	47.85
52.5	2,581,238	81,544	0.0316	0.9684	46.08
53.5	2,199,511	98,488	0.0448	0.9552	44.63
54.5	1,907,025	29,111	0.0153	0.9847	42.63
55.5	1,883,704	76,832	0.0408	0.9592	41.98
56.5	1,737,283	41,395	0.0238	0.9762	40.27
57.5	1,406,921	7,537	0.0054	0.9946	39.31
58.5	1,318,698	30,412	0.0231	0.9769	39.10
59.5	1,222,423	21,131	0.0173	0.9827	38.20
60.5	1,132,032	9,708	0.0086	0.9914	37.54
61.5	1,132,024	12,735	0.0112	0.9888	37.21
62.5	1,051,172	33,383	0.0318	0.9682	36.79
63.5	938,164	27,022	0.0288	0.9712	35.63
64.5	846,797	3,283	0.0039	0.9961	34.60
65.5	715,850	10,594	0.0148	0.9852	34.47
66.5	530,119	2,070	0.0039	0.9961	33.96
67.5	497,384	2,127	0.0043	0.9957	33.82
68.5	481,025	5,091	0.0106	0.9894	33.68
69.5	455,397	322	0.0007	0.9993	33.32
70.5	399,486	2,299	0.0058	0.9942	33.30
71.5	396,131	1,296	0.0033	0.9967	33.11
72.5	379,673	17,573	0.0463	0.9537	33.00
73.5	362,099	10,903	0.0301	0.9699	31.47
74.5	350,376		0.0000	1.0000	30.52
75.5	289,495	414	0.0014	0.9986	30.52
76.5	278,921		0.0000	1.0000	30.48
77.5	215,587		0.0000	1.0000	30.48
78.5	215,587		0.0000	1.0000	30.48

## DUKE ENERGY PROGRESS

## ACCOUNT 355 POLES AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	203,727		0.0000	1.0000	30.48
80.5	203,727		0.0000	1.0000	30.48
81.5	201,334		0.0000	1.0000	30.48
82.5	199,852		0.0000	1.0000	30.48
83.5	199,852		0.0000	1.0000	30.48
84.5	199,852	237	0.0012	0.9988	30.48
85.5	199,615		0.0000	1.0000	30.44
86.5	199,615	6,365	0.0319	0.9681	30.44
87.5	175,032	3,132	0.0179	0.9821	29.47
88.5	171,900	6,941	0.0404	0.9596	28.95
89.5	164,959	12,116	0.0734	0.9266	27.78
90.5	152,843	46,339	0.3032	0.6968	25.74
91.5	106,504	25,334	0.2379	0.7621	17.93
92.5	81,170	476	0.0059	0.9941	13.67
93.5	80,694	15,717	0.1948	0.8052	13.59
94.5	64,977	6,700	0.1031	0.8969	10.94
95.5	89,502		0.0000	1.0000	9.81
96.5	89,502	69,512	0.7767	0.2233	9.81
97.5	19,990		0.0000	1.0000	2.19
98.5	19,990	177	0.0089	0.9911	2.19
99.5	19,813	2,279	0.1150	0.8850	2.17
100.5	17,534	12,662	0.7221	0.2779	1.92
101.5	4,872		0.0000	1.0000	0.53
102.5	4,872	4,872	1.0000		0.53
103.5					



## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	574,790,224	270,229	0.0005	0.9995	100.00
0.5	524,018,147	133,727	0.0003	0.9997	99.95
1.5	469,646,594	505,970	0.0011	0.9989	99.93
2.5	451,136,663	657,611	0.0015	0.9985	99.82
3.5	424,374,313	463,470	0.0011	0.9989	99.67
4.5	381,951,885	501,384	0.0013	0.9987	99.57
5.5	366,457,061	1,533,424	0.0042	0.9958	99.43
6.5	345,125,727	705,617	0.0020	0.9980	99.02
7.5	295,219,656	593,353	0.0020	0.9980	98.82
8.5	286,304,712	445,932	0.0016	0.9984	98.62
9.5	276,414,934	635,800	0.0023	0.9977	98.46
10.5	258,692,960	680,542	0.0026	0.9974	98.24
11.5	243,297,044	438,964	0.0018	0.9982	97.98
12.5	235,782,571	340,252	0.0014	0.9986	97.80
13.5	231,424,676	488,325	0.0021	0.9979	97.66
14.5	225,710,554	714,838	0.0032	0.9968	97.46
15.5	217,720,642	694,460	0.0032	0.9968	97.15
16.5	210,615,322	315,976	0.0015	0.9985	96.84
17.5	201,590,175	2,080,375	0.0103	0.9897	96.69
18.5	195,731,065	463,660	0.0024	0.9976	95.69
19.5	191,980,244	410,892	0.0021	0.9979	95.47
20.5	186,378,914	585,611	0.0031	0.9969	95.26
21.5	186,236,875	561,951	0.0030	0.9970	94.96
22.5	183,001,722	632,661	0.0035	0.9965	94.68
23.5	177,519,339	1,082,164	0.0061	0.9939	94.35
24.5	173,456,800	673,833	0.0039	0.9961	93.77
25.5	172,419,565	523,301	0.0030	0.9970	93.41
26.5	169,362,120	761,250	0.0045	0.9955	93.13
27.5	167,570,199	539,305	0.0032	0.9968	92.71
28.5	161,535,866	852,193	0.0053	0.9947	92.41
29.5	158,649,214	528,669	0.0033	0.9967	91.92
30.5	153,431,751	497,519	0.0032	0.9968	91.62
31.5	147,732,041	372,114	0.0025	0.9975	91.32
32.5	137,151,899	892,836	0.0065	0.9935	91.09
33.5	123,062,734	455,186	0.0037	0.9963	90.50
34.5	114,552,609	333,592	0.0029	0.9971	90.16
35.5	105,725,265	660,635	0.0062	0.9938	89.90
36.5	87,445,120	719,742	0.0082	0.9918	89.34
37.5	80,564,505	833,840	0.0103	0.9897	88.60
38.5	73,368,148	339,825	0.0046	0.9954	87.68

## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	69,398,667	658,719	0.0095	0.9905	87.28
40.5	65,578,584	855,327	0.0130	0.9870	86.45
41.5	58,991,667	153,741	0.0026	0.9974	85.32
42.5	53,278,391	270,394	0.0051	0.9949	85.10
43.5	50,286,815	494,367	0.0098	0.9902	84.67
44.5	47,959,690	555,406	0.0116	0.9884	83.84
45.5	42,830,040	252,273	0.0059	0.9941	82.86
46.5	30,794,245	212,514	0.0069	0.9931	82.38
47.5	28,397,147	123,756	0.0044	0.9956	81.81
48.5	25,899,085	177,347	0.0068	0.9932	81.45
49.5	22,657,246	276,205	0.0122	0.9878	80.89
50.5	19,863,028	153,540	0.0077	0.9923	79.91
51.5	14,180,964	192,191	0.0136	0.9864	79.29
52.5	10,992,577	259,665	0.0236	0.9764	78.22
53.5	9,911,987	120,693	0.0122	0.9878	76.37
54.5	8,677,011	74,295	0.0086	0.9914	75.44
55.5	8,550,815	95,849	0.0112	0.9888	74.79
56.5	7,569,962	60,037	0.0079	0.9921	73.95
57.5	5,823,071	20,063	0.0034	0.9966	73.37
58.5	5,198,924	41,217	0.0079	0.9921	73.11
59.5	4,806,307	98,495	0.0205	0.9795	72.53
60.5	4,292,127	44,874	0.0105	0.9895	71.05
61.5	4,243,128	19,342	0.0046	0.9954	70.31
62.5	4,040,214	126,139	0.0312	0.9688	69.98
63.5	3,518,526	80,298	0.0228	0.9772	67.80
64.5	2,940,581	140,215	0.0477	0.9523	66.25
65.5	2,505,253	17,919	0.0072	0.9928	63.09
66.5	2,055,863	33,803	0.0164	0.9836	62.64
67.5	1,964,011	9,069	0.0046	0.9954	61.61
68.5	1,882,270	20,890	0.0111	0.9889	61.33
69.5	1,801,131	30,740	0.0171	0.9829	60.65
70.5	1,620,947	4,096	0.0025	0.9975	59.61
71.5	1,616,850	16,193	0.0100	0.9900	59.46
72.5	1,577,454	104,786	0.0664	0.9336	58.87
73.5	1,472,668	2,257	0.0015	0.9985	54.96
74.5	1,464,622	138,375	0.0945	0.9055	54.87
75.5	1,237,675	757	0.0006	0.9994	49.69
76.5	1,232,601	9,829	0.0080	0.9920	49.66
77.5	1,124,685	1,824	0.0016	0.9984	49.26
78.5	1,122,861	19,030	0.0169	0.9831	49.18

## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,103,684	12,403	0.0112	0.9888	48.35
80.5	1,091,281	1,192	0.0011	0.9989	47.80
81.5	1,080,401	187	0.0002	0.9998	47.75
82.5	1,080,214	5,682	0.0053	0.9947	47.74
83.5	1,074,532	56,899	0.0530	0.9470	47.49
84.5	1,005,058	0	0.0000	1.0000	44.98
85.5	1,005,058	16,904	0.0168	0.9832	44.98
86.5	988,155	13,369	0.0135	0.9865	44.22
87.5	906,898	40	0.0000	1.0000	43.62
88.5	906,742	336	0.0004	0.9996	43.62
89.5	902,508	38,316	0.0425	0.9575	43.60
90.5	844,000	14,655	0.0174	0.9826	41.75
91.5	676,621	2,342	0.0035	0.9965	41.03
92.5	649,809	2,914	0.0045	0.9955	40.89
93.5	638,051	34,254	0.0537	0.9463	40.70
94.5	320,326	18,635	0.0582	0.9418	38.52
95.5	126,894	341	0.0027	0.9973	36.28
96.5	123,450	990	0.0080	0.9920	36.18
97.5	114,137	395	0.0035	0.9965	35.89
98.5	110,396	0	0.0000	1.0000	35.77
99.5	110,396	1,578	0.0143	0.9857	35.77
100.5	97,797	2,111	0.0216	0.9784	35.25
101.5	80,055	627	0.0078	0.9922	34.49
102.5	74,883	364	0.0049	0.9951	34.22
103.5	71,991	829	0.0115	0.9885	34.06
104.5	65,685	330	0.0050	0.9950	33.66
105.5	63,919	1,585	0.0248	0.9752	33.50
106.5	56,220	4,963	0.0883	0.9117	32.67
107.5	21,825	2,145	0.0983	0.9017	29.78
108.5	17,421	11,695	0.6713	0.3287	26.85
109.5	5,726	1,557	0.2718	0.7282	8.83
110.5					6.43

## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	498,152,569	72,992	0.0001	0.9999	100.00
0.5	455,110,901	125,072	0.0003	0.9997	99.99
1.5	407,633,453	402,482	0.0010	0.9990	99.96
2.5	390,618,892	627,436	0.0016	0.9984	99.86
3.5	367,101,520	426,230	0.0012	0.9988	99.70
4.5	328,476,321	340,176	0.0010	0.9990	99.58
5.5	319,005,436	894,012	0.0028	0.9972	99.48
6.5	309,922,193	522,581	0.0017	0.9983	99.20
7.5	261,592,399	462,855	0.0018	0.9982	99.03
8.5	255,042,415	370,523	0.0015	0.9985	98.86
9.5	249,193,737	395,852	0.0016	0.9984	98.71
10.5	234,552,690	557,599	0.0024	0.9976	98.56
11.5	226,274,802	410,646	0.0018	0.9982	98.32
12.5	221,429,446	264,350	0.0012	0.9988	98.15
13.5	219,066,821	300,037	0.0014	0.9986	98.03
14.5	214,883,511	655,238	0.0030	0.9970	97.89
15.5	206,986,190	329,073	0.0016	0.9984	97.60
16.5	201,132,657	164,421	0.0008	0.9992	97.44
17.5	194,061,166	1,587,320	0.0082	0.9918	97.36
18.5	189,444,665	418,210	0.0022	0.9978	96.56
19.5	186,164,723	375,552	0.0020	0.9980	96.35
20.5	181,442,153	430,726	0.0024	0.9976	96.16
21.5	181,554,124	493,518	0.0027	0.9973	95.93
22.5	178,575,695	535,815	0.0030	0.9970	95.67
23.5	173,412,159	995,986	0.0057	0.9943	95.38
24.5	169,795,957	533,220	0.0031	0.9969	94.83
25.5	169,211,067	456,698	0.0027	0.9973	94.54
26.5	165,400,771	653,804	0.0040	0.9960	94.28
27.5	163,752,931	465,145	0.0028	0.9972	93.91
28.5	157,900,307	725,068	0.0046	0.9954	93.64
29.5	154,590,520	486,690	0.0031	0.9969	93.21
30.5	149,353,413	424,100	0.0028	0.9972	92.92
31.5	143,639,527	293,279	0.0020	0.9980	92.65
32.5	133,228,315	720,709	0.0054	0.9946	92.46
33.5	119,306,714	335,770	0.0028	0.9972	91.96
34.5	110,926,913	273,116	0.0025	0.9975	91.71
35.5	102,225,555	648,408	0.0063	0.9937	91.48
36.5	83,764,058	574,715	0.0069	0.9931	90.90
37.5	77,144,489	648,211	0.0084	0.9916	90.28
38.5	70,141,602	306,310	0.0044	0.9956	89.52

## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	66,204,546	473,398	0.0072	0.9928	89.13
40.5	62,553,573	670,586	0.0107	0.9893	88.49
41.5	56,215,371	150,953	0.0027	0.9973	87.54
42.5	50,284,865	243,984	0.0049	0.9951	87.30
43.5	47,313,771	139,520	0.0029	0.9971	86.88
44.5	45,328,608	384,023	0.0085	0.9915	86.63
45.5	40,347,422	230,964	0.0057	0.9943	85.89
46.5	28,332,936	211,091	0.0075	0.9925	85.40
47.5	26,061,053	60,009	0.0023	0.9977	84.76
48.5	23,629,338	175,930	0.0074	0.9926	84.57
49.5	20,395,279	78,087	0.0038	0.9962	83.94
50.5	17,838,569	139,033	0.0078	0.9922	83.62
51.5	13,020,120	189,917	0.0146	0.9854	82.97
52.5	9,877,571	258,386	0.0262	0.9738	81.76
53.5	8,824,467	115,955	0.0131	0.9869	79.62
54.5	8,094,774	73,377	0.0091	0.9909	78.57
55.5	8,178,616	95,743	0.0117	0.9883	77.86
56.5	7,201,314	55,016	0.0076	0.9924	76.95
57.5	5,481,943	19,975	0.0036	0.9964	76.36
58.5	4,861,660	39,526	0.0081	0.9919	76.08
59.5	4,470,735	15,295	0.0034	0.9966	75.46
60.5	4,077,339	44,815	0.0110	0.9890	75.20
61.5	4,046,286	7,264	0.0018	0.9982	74.38
62.5	3,860,653	80,965	0.0210	0.9790	74.24
63.5	3,387,030	72,608	0.0214	0.9786	72.69
64.5	2,823,072	112,772	0.0399	0.9601	71.13
65.5	2,416,856	15,258	0.0063	0.9937	68.29
66.5	1,980,320	19,369	0.0098	0.9902	67.86
67.5	1,938,405	9,069	0.0047	0.9953	67.19
68.5	1,859,325	20,890	0.0112	0.9888	66.88
69.5	1,778,186	30,740	0.0173	0.9827	66.13
70.5	1,620,922	4,096	0.0025	0.9975	64.98
71.5	1,616,825	16,193	0.0100	0.9900	64.82
72.5	1,577,429	104,786	0.0664	0.9336	64.17
73.5	1,472,643	2,257	0.0015	0.9985	59.91
74.5	1,464,597	138,375	0.0945	0.9055	59.82
75.5	1,237,650	757	0.0006	0.9994	54.16
76.5	1,232,576	9,829	0.0080	0.9920	54.13
77.5	1,124,660	1,824	0.0016	0.9984	53.70
78.5	1,122,861	19,030	0.0169	0.9831	53.61

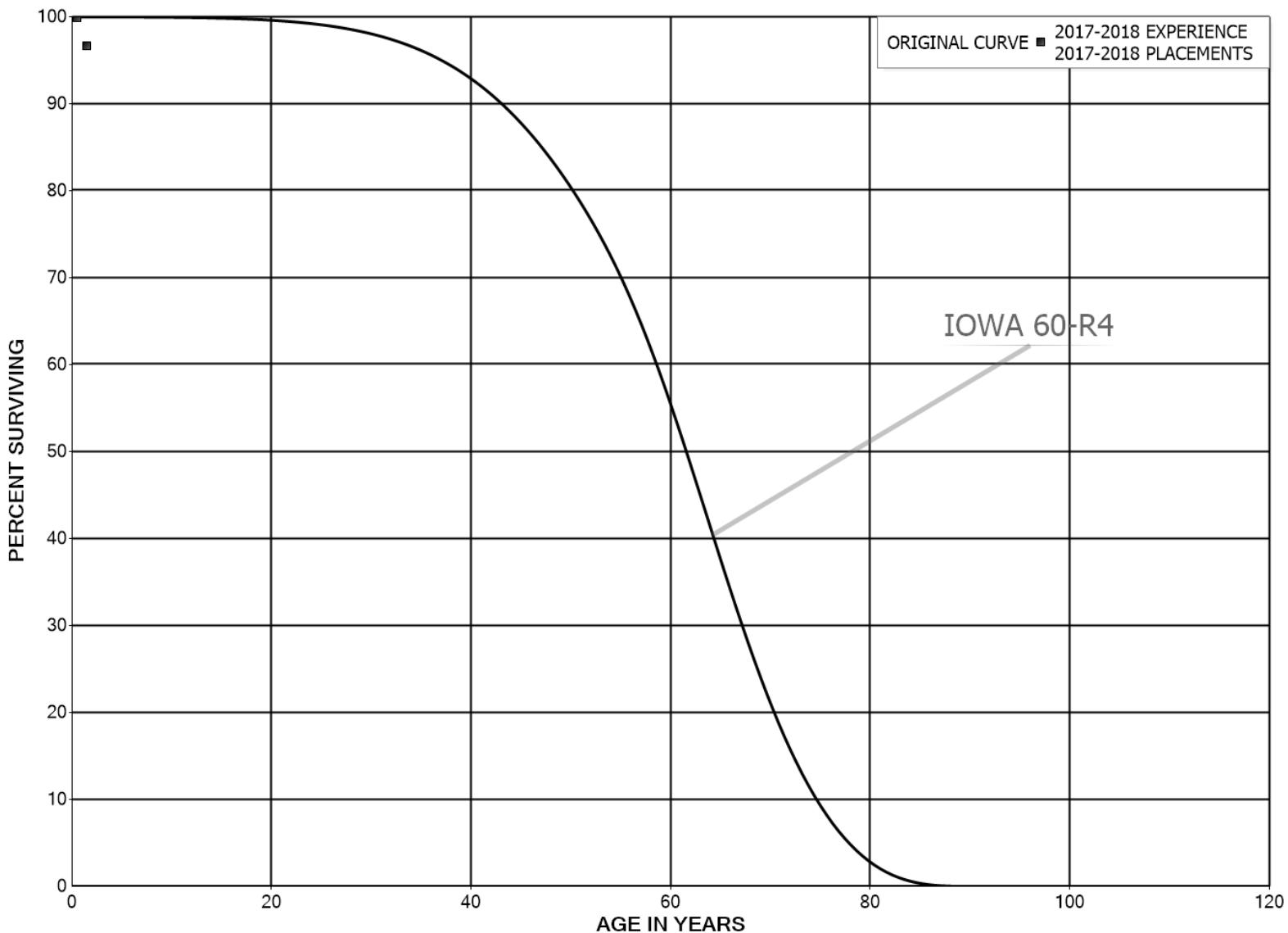
## DUKE ENERGY PROGRESS

## ACCOUNT 356 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,103,684	12,403	0.0112	0.9888	52.70
80.5	1,091,281	1,192	0.0011	0.9989	52.11
81.5	1,080,401	187	0.0002	0.9998	52.05
82.5	1,080,214	5,682	0.0053	0.9947	52.05
83.5	1,074,532	56,899	0.0530	0.9470	51.77
84.5	1,005,058	0	0.0000	1.0000	49.03
85.5	1,005,058	16,904	0.0168	0.9832	49.03
86.5	988,155	13,369	0.0135	0.9865	48.21
87.5	906,898	40	0.0000	1.0000	47.55
88.5	906,742	336	0.0004	0.9996	47.55
89.5	902,508	38,316	0.0425	0.9575	47.53
90.5	844,000	14,655	0.0174	0.9826	45.52
91.5	676,621	2,342	0.0035	0.9965	44.73
92.5	649,809	2,914	0.0045	0.9955	44.57
93.5	638,051	34,254	0.0537	0.9463	44.37
94.5	320,326	18,635	0.0582	0.9418	41.99
95.5	126,894	341	0.0027	0.9973	39.55
96.5	123,450	990	0.0080	0.9920	39.44
97.5	114,137	395	0.0035	0.9965	39.12
98.5	110,396	0	0.0000	1.0000	38.99
99.5	110,396	1,578	0.0143	0.9857	38.99
100.5	97,797	2,111	0.0216	0.9784	38.43
101.5	80,055	627	0.0078	0.9922	37.60
102.5	74,883	364	0.0049	0.9951	37.31
103.5	71,991	829	0.0115	0.9885	37.13
104.5	65,685	330	0.0050	0.9950	36.70
105.5	63,919	1,585	0.0248	0.9752	36.51
106.5	56,220	4,963	0.0883	0.9117	35.61
107.5	21,825	2,145	0.0983	0.9017	32.47
108.5	17,421	11,695	0.6713	0.3287	29.27
109.5	5,726	1,557	0.2718	0.7282	9.62
110.5					7.01

DUKE ENERGY PROGRESS  
ACCOUNT 357 UNDERGROUND CONDUIT  
ORIGINAL AND SMOOTH SURVIVOR CURVES

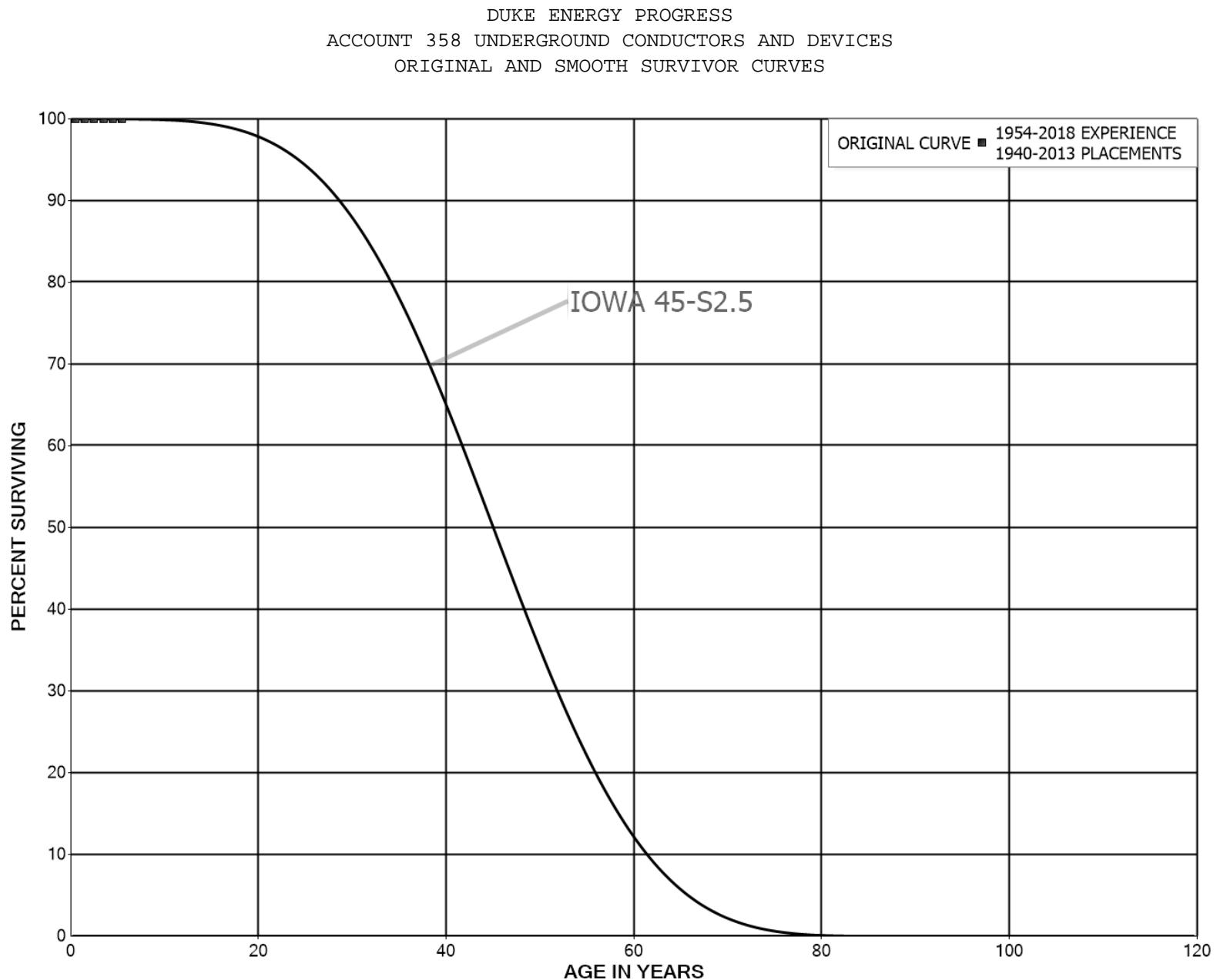


## DUKE ENERGY PROGRESS

## ACCOUNT 357 UNDERGROUND CONDUIT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2017-2018			EXPERIENCE BAND 2017-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	33,100	38	0.0012	0.9988	100.00
0.5	23,999	775	0.0323	0.9677	99.88
1.5					96.66



## DUKE ENERGY PROGRESS

ACCOUNT 358 UNDERGROUND CONDUCTORS AND DEVICES

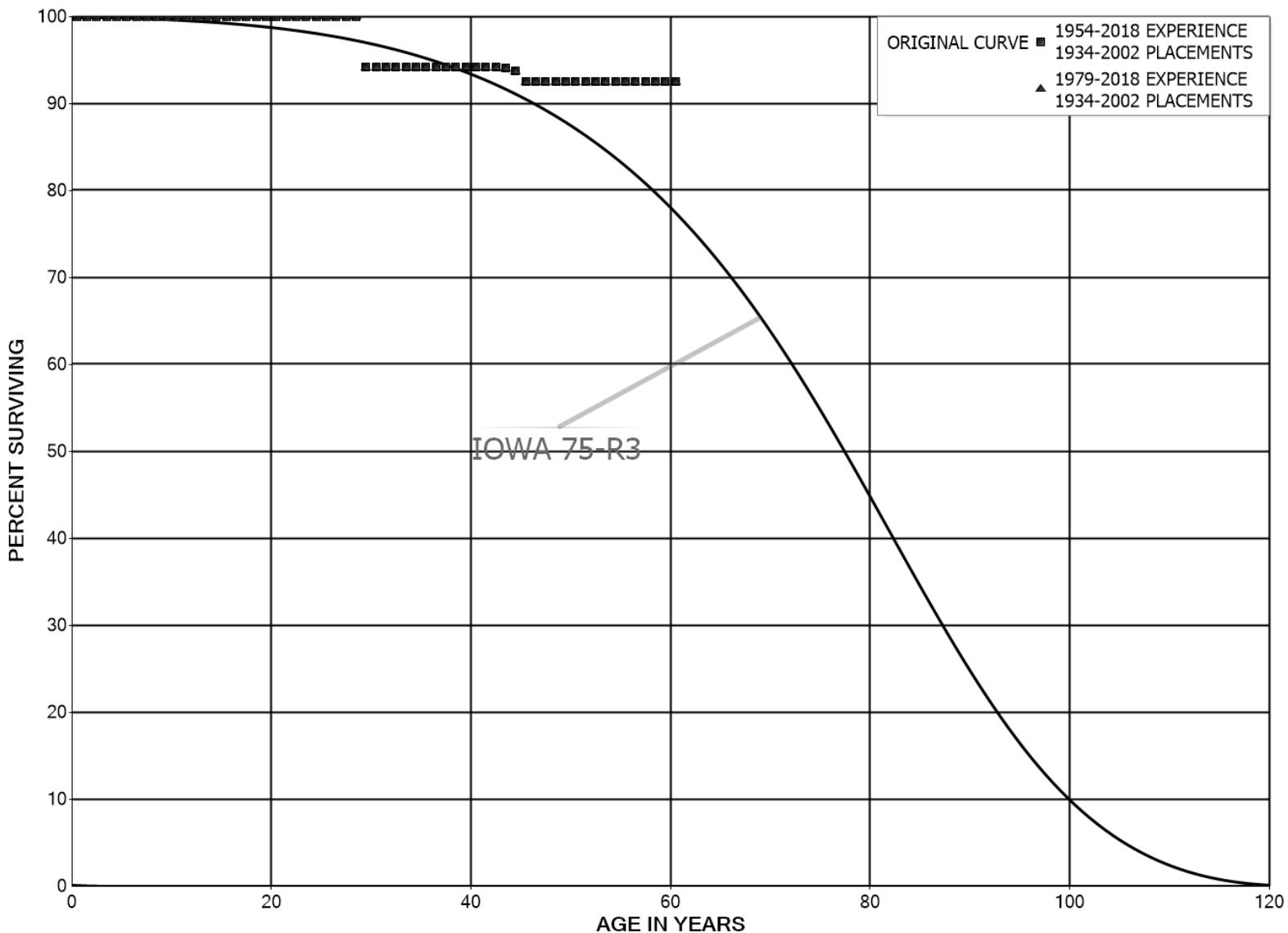
## ORIGINAL LIFE TABLE

PLACEMENT BAND 1940-2013

EXPERIENCE BAND 1954-2018

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	21,603,999		0.0000	1.0000	100.00
0.5	21,603,999		0.0000	1.0000	100.00
1.5	21,603,999		0.0000	1.0000	100.00
2.5	21,603,999		0.0000	1.0000	100.00
3.5	21,603,999		0.0000	1.0000	100.00
4.5	21,603,999		0.0000	1.0000	100.00
5.5					100.00
6.5					
7.5					
8.5					
9.5					
10.5					
11.5	11,427	11,427	1.0000		
12.5	713	713	1.0000		
13.5	12,622		0.0000		
14.5	12,622		0.0000		
15.5	12,622		0.0000		
16.5	12,622	12,622	1.0000		
17.5					

DUKE ENERGY PROGRESS  
ACCOUNT 359 ROADS AND TRAILS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 359 ROADS AND TRAILS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1934-2002			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	319,186		0.0000	1.0000	100.00
0.5	312,823		0.0000	1.0000	100.00
1.5	312,823		0.0000	1.0000	100.00
2.5	312,823		0.0000	1.0000	100.00
3.5	313,751		0.0000	1.0000	100.00
4.5	313,751		0.0000	1.0000	100.00
5.5	313,751		0.0000	1.0000	100.00
6.5	313,751	300	0.0010	0.9990	100.00
7.5	313,451		0.0000	1.0000	99.90
8.5	313,451		0.0000	1.0000	99.90
9.5	313,451		0.0000	1.0000	99.90
10.5	313,451		0.0000	1.0000	99.90
11.5	313,451		0.0000	1.0000	99.90
12.5	313,451		0.0000	1.0000	99.90
13.5	313,451		0.0000	1.0000	99.90
14.5	313,451		0.0000	1.0000	99.90
15.5	313,451		0.0000	1.0000	99.90
16.5	15,923		0.0000	1.0000	99.90
17.5	15,943		0.0000	1.0000	99.90
18.5	15,989		0.0000	1.0000	99.90
19.5	16,194		0.0000	1.0000	99.90
20.5	16,194		0.0000	1.0000	99.90
21.5	16,194		0.0000	1.0000	99.90
22.5	16,194		0.0000	1.0000	99.90
23.5	16,194		0.0000	1.0000	99.90
24.5	16,153		0.0000	1.0000	99.90
25.5	16,194		0.0000	1.0000	99.90
26.5	16,194		0.0000	1.0000	99.90
27.5	16,194		0.0000	1.0000	99.90
28.5	16,194	928	0.0573	0.9427	99.90
29.5	15,266		0.0000	1.0000	94.18
30.5	15,266		0.0000	1.0000	94.18
31.5	15,266		0.0000	1.0000	94.18
32.5	15,266		0.0000	1.0000	94.18
33.5	15,266		0.0000	1.0000	94.18
34.5	15,266		0.0000	1.0000	94.18
35.5	15,266		0.0000	1.0000	94.18
36.5	15,266		0.0000	1.0000	94.18
37.5	15,266		0.0000	1.0000	94.18
38.5	15,266		0.0000	1.0000	94.18

## DUKE ENERGY PROGRESS

## ACCOUNT 359 ROADS AND TRAILS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1934-2002			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	15,266		0.0000	1.0000	94.18
40.5	15,266	0	0.0000	1.0000	94.18
41.5	15,266		0.0000	1.0000	94.18
42.5	15,266	20	0.0013	0.9987	94.18
43.5	15,246	46	0.0030	0.9970	94.05
44.5	15,200	205	0.0135	0.9865	93.77
45.5	9,731		0.0000	1.0000	92.51
46.5	9,731		0.0000	1.0000	92.51
47.5	9,731		0.0000	1.0000	92.51
48.5	9,731		0.0000	1.0000	92.51
49.5	9,731		0.0000	1.0000	92.51
50.5	9,731		0.0000	1.0000	92.51
51.5	9,731		0.0000	1.0000	92.51
52.5	9,731		0.0000	1.0000	92.51
53.5	9,731		0.0000	1.0000	92.51
54.5	9,731		0.0000	1.0000	92.51
55.5	9,731		0.0000	1.0000	92.51
56.5	9,731		0.0000	1.0000	92.51
57.5	9,731		0.0000	1.0000	92.51
58.5	9,731		0.0000	1.0000	92.51
59.5	8,556		0.0000	1.0000	92.51
60.5					92.51

## DUKE ENERGY PROGRESS

## ACCOUNT 359 ROADS AND TRAILS

## ORIGINAL LIFE TABLE

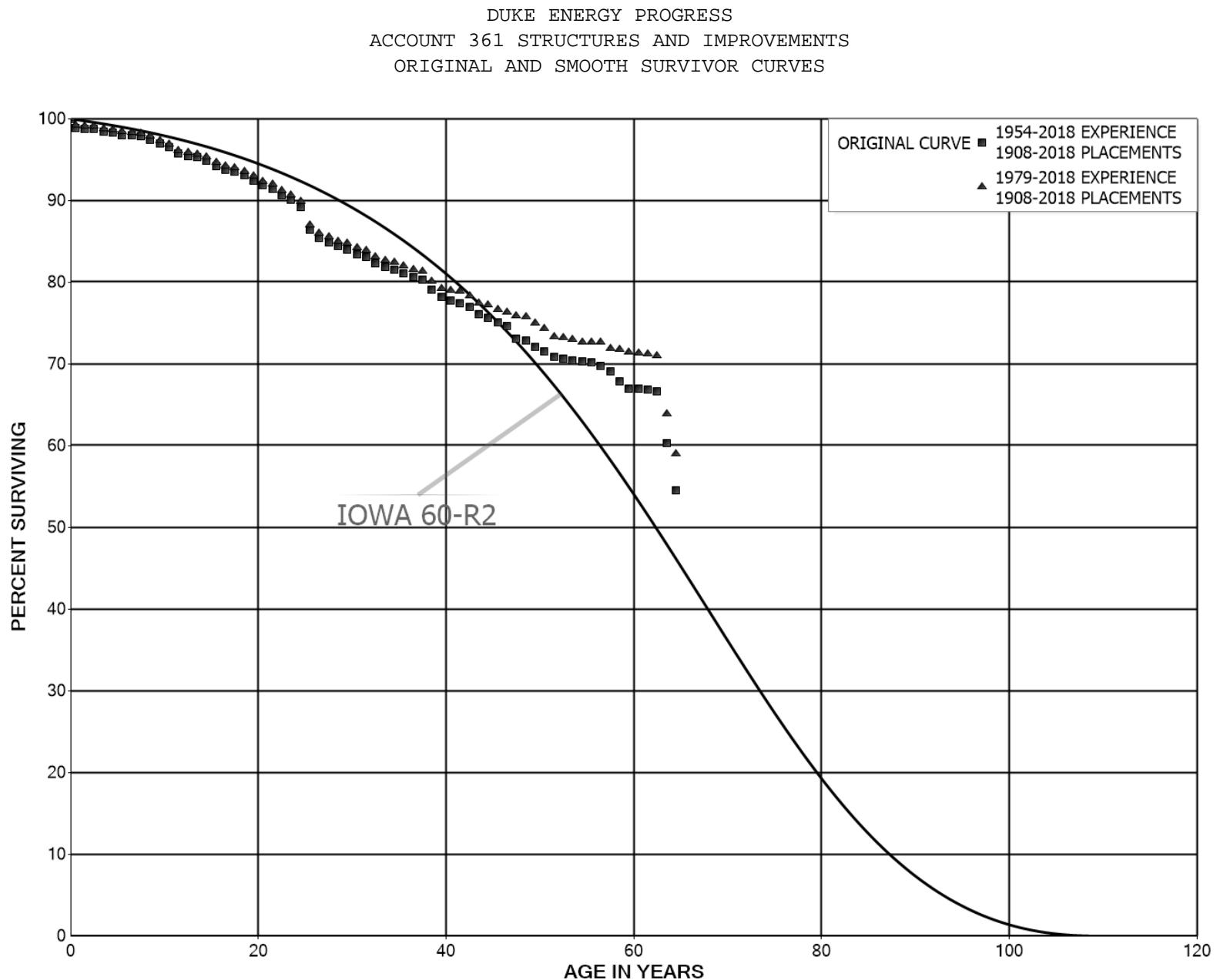
PLACEMENT BAND 1934-2002		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	303,891		0.0000	1.0000	100.00
0.5	297,528		0.0000	1.0000	100.00
1.5	297,528		0.0000	1.0000	100.00
2.5	297,528		0.0000	1.0000	100.00
3.5	297,528		0.0000	1.0000	100.00
4.5	297,528		0.0000	1.0000	100.00
5.5	303,092		0.0000	1.0000	100.00
6.5	303,092	300	0.0010	0.9990	100.00
7.5	302,792		0.0000	1.0000	99.90
8.5	302,792		0.0000	1.0000	99.90
9.5	302,792		0.0000	1.0000	99.90
10.5	302,792		0.0000	1.0000	99.90
11.5	302,792		0.0000	1.0000	99.90
12.5	302,792		0.0000	1.0000	99.90
13.5	302,792		0.0000	1.0000	99.90
14.5	302,792		0.0000	1.0000	99.90
15.5	302,792		0.0000	1.0000	99.90
16.5	5,264		0.0000	1.0000	99.90
17.5	5,264		0.0000	1.0000	99.90
18.5	5,305		0.0000	1.0000	99.90
19.5	6,439		0.0000	1.0000	99.90
20.5	14,995		0.0000	1.0000	99.90
21.5	14,995		0.0000	1.0000	99.90
22.5	14,995		0.0000	1.0000	99.90
23.5	14,995		0.0000	1.0000	99.90
24.5	14,954		0.0000	1.0000	99.90
25.5	14,995		0.0000	1.0000	99.90
26.5	14,995		0.0000	1.0000	99.90
27.5	14,995		0.0000	1.0000	99.90
28.5	15,923	928	0.0583	0.9417	99.90
29.5	14,995		0.0000	1.0000	94.08
30.5	14,995		0.0000	1.0000	94.08
31.5	14,995		0.0000	1.0000	94.08
32.5	14,995		0.0000	1.0000	94.08
33.5	14,995		0.0000	1.0000	94.08
34.5	14,995		0.0000	1.0000	94.08
35.5	14,995		0.0000	1.0000	94.08
36.5	14,995		0.0000	1.0000	94.08
37.5	14,995		0.0000	1.0000	94.08
38.5	14,995		0.0000	1.0000	94.08

## DUKE ENERGY PROGRESS

## ACCOUNT 359 ROADS AND TRAILS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1934-2002			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	14,995		0.0000	1.0000	94.08
40.5	14,995	0	0.0000	1.0000	94.08
41.5	14,995		0.0000	1.0000	94.08
42.5	15,015	20	0.0013	0.9987	94.08
43.5	15,041	46	0.0031	0.9969	93.95
44.5	15,200	205	0.0135	0.9865	93.66
45.5	9,731		0.0000	1.0000	92.40
46.5	9,731		0.0000	1.0000	92.40
47.5	9,731		0.0000	1.0000	92.40
48.5	9,731		0.0000	1.0000	92.40
49.5	9,731		0.0000	1.0000	92.40
50.5	9,731		0.0000	1.0000	92.40
51.5	9,731		0.0000	1.0000	92.40
52.5	9,731		0.0000	1.0000	92.40
53.5	9,731		0.0000	1.0000	92.40
54.5	9,731		0.0000	1.0000	92.40
55.5	9,731		0.0000	1.0000	92.40
56.5	9,731		0.0000	1.0000	92.40
57.5	9,731		0.0000	1.0000	92.40
58.5	9,731		0.0000	1.0000	92.40
59.5	8,556		0.0000	1.0000	92.40
60.5					92.40



## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	145,304,000	1,644,040	0.0113	0.9887	100.00
0.5	126,166,564	172,846	0.0014	0.9986	98.87
1.5	118,632,257	67,925	0.0006	0.9994	98.73
2.5	112,138,349	275,474	0.0025	0.9975	98.68
3.5	108,945,074	162,694	0.0015	0.9985	98.43
4.5	109,503,268	314,581	0.0029	0.9971	98.29
5.5	107,111,840	114,790	0.0011	0.9989	98.00
6.5	105,025,622	119,031	0.0011	0.9989	97.90
7.5	101,751,114	382,906	0.0038	0.9962	97.79
8.5	99,406,099	515,102	0.0052	0.9948	97.42
9.5	95,933,674	393,228	0.0041	0.9959	96.92
10.5	89,036,086	708,927	0.0080	0.9920	96.52
11.5	86,433,454	309,395	0.0036	0.9964	95.75
12.5	80,511,524	142,637	0.0018	0.9982	95.41
13.5	72,119,703	285,216	0.0040	0.9960	95.24
14.5	69,725,296	507,874	0.0073	0.9927	94.86
15.5	65,712,303	318,052	0.0048	0.9952	94.17
16.5	60,284,604	140,777	0.0023	0.9977	93.72
17.5	50,265,156	261,159	0.0052	0.9948	93.50
18.5	46,497,235	294,362	0.0063	0.9937	93.01
19.5	41,757,617	283,647	0.0068	0.9932	92.42
20.5	39,821,245	166,914	0.0042	0.9958	91.79
21.5	38,706,325	319,063	0.0082	0.9918	91.41
22.5	33,808,040	219,970	0.0065	0.9935	90.66
23.5	31,830,476	300,921	0.0095	0.9905	90.07
24.5	27,812,415	890,530	0.0320	0.9680	89.21
25.5	25,068,294	292,202	0.0117	0.9883	86.36
26.5	22,040,015	124,854	0.0057	0.9943	85.35
27.5	21,465,292	122,880	0.0057	0.9943	84.87
28.5	18,401,345	86,373	0.0047	0.9953	84.38
29.5	16,714,443	107,500	0.0064	0.9936	83.99
30.5	12,948,090	52,641	0.0041	0.9959	83.45
31.5	12,026,236	124,526	0.0104	0.9896	83.11
32.5	10,766,479	56,535	0.0053	0.9947	82.25
33.5	9,901,362	34,384	0.0035	0.9965	81.81
34.5	9,346,918	57,796	0.0062	0.9938	81.53
35.5	8,423,391	46,246	0.0055	0.9945	81.03
36.5	7,654,069	27,736	0.0036	0.9964	80.58
37.5	6,829,502	102,843	0.0151	0.9849	80.29
38.5	5,802,786	66,987	0.0115	0.9885	79.08

## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	5,352,692	30,023	0.0056	0.9944	78.17	
40.5	4,668,618	16,933	0.0036	0.9964	77.73	
41.5	4,094,272	23,784	0.0058	0.9942	77.45	
42.5	3,482,841	41,575	0.0119	0.9881	77.00	
43.5	3,199,689	21,563	0.0067	0.9933	76.08	
44.5	2,755,093	19,726	0.0072	0.9928	75.56	
45.5	2,172,398	11,526	0.0053	0.9947	75.02	
46.5	1,972,100	40,596	0.0206	0.9794	74.63	
47.5	1,660,666	5,710	0.0034	0.9966	73.09	
48.5	1,509,915	15,850	0.0105	0.9895	72.84	
49.5	1,203,881	8,822	0.0073	0.9927	72.07	
50.5	1,067,906	10,644	0.0100	0.9900	71.55	
51.5	900,864	2,597	0.0029	0.9971	70.83	
52.5	848,992	2,302	0.0027	0.9973	70.63	
53.5	803,305	2,105	0.0026	0.9974	70.44	
54.5	716,249	227	0.0003	0.9997	70.25	
55.5	704,610	5,534	0.0079	0.9921	70.23	
56.5	683,509	6,237	0.0091	0.9909	69.68	
57.5	650,499	11,689	0.0180	0.9820	69.04	
58.5	634,258	7,629	0.0120	0.9880	67.80	
59.5	625,297	668	0.0011	0.9989	66.99	
60.5	610,346	1,141	0.0019	0.9981	66.91	
61.5	602,686	2,028	0.0034	0.9966	66.79	
62.5	583,907	55,240	0.0946	0.9054	66.56	
63.5	523,375	49,619	0.0948	0.9052	60.27	
64.5	453,603	2,650	0.0058	0.9942	54.55	
65.5	394,768	1,388	0.0035	0.9965	54.24	
66.5	350,754	1,225	0.0035	0.9965	54.04	
67.5	321,368	16,249	0.0506	0.9494	53.86	
68.5	267,550	2,047	0.0077	0.9923	51.13	
69.5	210,457	1,337	0.0064	0.9936	50.74	
70.5	197,668	2,240	0.0113	0.9887	50.42	
71.5	195,428	2,107	0.0108	0.9892	49.85	
72.5	193,320	1,746	0.0090	0.9910	49.31	
73.5	191,574	1,990	0.0104	0.9896	48.86	
74.5	189,404	4,581	0.0242	0.9758	48.36	
75.5	176,186	34,016	0.1931	0.8069	47.19	
76.5	138,898	4,686	0.0337	0.9663	38.08	
77.5	129,121	5,360	0.0415	0.9585	36.79	
78.5	118,296	20,132	0.1702	0.8298	35.27	

## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	98,044	1,192	0.0122	0.9878	29.26
80.5	96,834	20,732	0.2141	0.7859	28.91
81.5	76,076	942	0.0124	0.9876	22.72
82.5	75,134	3,385	0.0450	0.9550	22.44
83.5	71,749	224	0.0031	0.9969	21.43
84.5	71,009	68	0.0010	0.9990	21.36
85.5	70,942	1,204	0.0170	0.9830	21.34
86.5	69,737	161	0.0023	0.9977	20.98
87.5	69,576	1,442	0.0207	0.9793	20.93
88.5	57,554		0.0000	1.0000	20.49
89.5	57,554	14,239	0.2474	0.7526	20.49
90.5	43,316	28	0.0007	0.9993	15.42
91.5	43,287	4,376	0.1011	0.8989	15.41
92.5	18,588	1,485	0.0799	0.9201	13.86
93.5	2,363	217	0.0918	0.9082	12.75
94.5	91	82	0.9043	0.0957	11.58
95.5					1.11

## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	133,332,846	1,063,954	0.0080	0.9920	100.00
0.5	115,482,556	154,335	0.0013	0.9987	99.20
1.5	108,415,079	48,717	0.0004	0.9996	99.07
2.5	102,404,579	254,202	0.0025	0.9975	99.02
3.5	99,786,340	143,322	0.0014	0.9986	98.78
4.5	101,667,898	291,190	0.0029	0.9971	98.64
5.5	100,179,979	81,868	0.0008	0.9992	98.35
6.5	98,394,423	90,396	0.0009	0.9991	98.27
7.5	95,510,622	372,674	0.0039	0.9961	98.18
8.5	93,558,540	497,326	0.0053	0.9947	97.80
9.5	90,394,784	378,067	0.0042	0.9958	97.28
10.5	87,817,018	687,953	0.0078	0.9922	96.87
11.5	85,412,061	294,371	0.0034	0.9966	96.12
12.5	79,568,071	129,345	0.0016	0.9984	95.78
13.5	71,224,730	251,769	0.0035	0.9965	95.63
14.5	68,926,078	487,470	0.0071	0.9929	95.29
15.5	64,942,740	299,952	0.0046	0.9954	94.62
16.5	59,551,443	131,069	0.0022	0.9978	94.18
17.5	49,573,707	251,514	0.0051	0.9949	93.97
18.5	45,823,508	280,934	0.0061	0.9939	93.50
19.5	41,140,945	267,775	0.0065	0.9935	92.92
20.5	39,235,289	156,332	0.0040	0.9960	92.32
21.5	38,140,969	309,110	0.0081	0.9919	91.95
22.5	33,281,444	209,209	0.0063	0.9937	91.20
23.5	31,293,385	287,685	0.0092	0.9908	90.63
24.5	27,301,263	874,752	0.0320	0.9680	89.80
25.5	24,639,658	278,567	0.0113	0.9887	86.92
26.5	21,668,649	118,444	0.0055	0.9945	85.94
27.5	21,044,522	114,951	0.0055	0.9945	85.47
28.5	18,005,618	68,966	0.0038	0.9962	85.00
29.5	16,391,906	101,454	0.0062	0.9938	84.68
30.5	12,596,415	51,253	0.0041	0.9959	84.15
31.5	11,679,863	109,513	0.0094	0.9906	83.81
32.5	10,431,055	44,744	0.0043	0.9957	83.02
33.5	9,558,116	29,649	0.0031	0.9969	82.67
34.5	8,993,036	53,634	0.0060	0.9940	82.41
35.5	8,051,208	41,656	0.0052	0.9948	81.92
36.5	7,284,022	23,559	0.0032	0.9968	81.50
37.5	6,464,612	95,060	0.0147	0.9853	81.23
38.5	5,439,371	57,381	0.0105	0.9895	80.04

## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	4,999,342	13,532	0.0027	0.9973	79.19
40.5	4,331,554	10,122	0.0023	0.9977	78.98
41.5	3,760,070	23,167	0.0062	0.9938	78.79
42.5	3,192,709	36,382	0.0114	0.9886	78.31
43.5	2,914,211	9,331	0.0032	0.9968	77.42
44.5	2,480,275	18,670	0.0075	0.9925	77.17
45.5	1,873,914	7,014	0.0037	0.9963	76.59
46.5	1,678,127	10,735	0.0064	0.9936	76.30
47.5	1,396,694	2,433	0.0017	0.9983	75.81
48.5	1,276,321	13,044	0.0102	0.9898	75.68
49.5	979,141	8,579	0.0088	0.9912	74.91
50.5	844,746	10,553	0.0125	0.9875	74.25
51.5	679,579	1,755	0.0026	0.9974	73.32
52.5	685,614	2,287	0.0033	0.9967	73.13
53.5	656,167	2,005	0.0031	0.9969	72.89
54.5	571,606	227	0.0004	0.9996	72.67
55.5	589,839	605	0.0010	0.9990	72.64
56.5	576,065	6,069	0.0105	0.9895	72.56
57.5	546,804	565	0.0010	0.9990	71.80
58.5	560,499	2,994	0.0053	0.9947	71.73
59.5	556,173	376	0.0007	0.9993	71.34
60.5	566,603	979	0.0017	0.9983	71.29
61.5	562,451	2,028	0.0036	0.9964	71.17
62.5	546,346	54,613	0.1000	0.9000	70.91
63.5	490,886	37,520	0.0764	0.9236	63.83
64.5	433,280	2,432	0.0056	0.9944	58.95
65.5	374,664	1,388	0.0037	0.9963	58.62
66.5	332,174	1,225	0.0037	0.9963	58.40
67.5	303,362	15,941	0.0525	0.9475	58.18
68.5	249,851	2,047	0.0082	0.9918	55.13
69.5	194,986	1,337	0.0069	0.9931	54.67
70.5	197,668	2,240	0.0113	0.9887	54.30
71.5	195,428	2,107	0.0108	0.9892	53.68
72.5	193,320	1,746	0.0090	0.9910	53.11
73.5	191,574	1,990	0.0104	0.9896	52.63
74.5	189,404	4,581	0.0242	0.9758	52.08
75.5	176,186	34,016	0.1931	0.8069	50.82
76.5	138,898	4,686	0.0337	0.9663	41.01
77.5	129,121	5,360	0.0415	0.9585	39.62
78.5	118,296	20,132	0.1702	0.8298	37.98

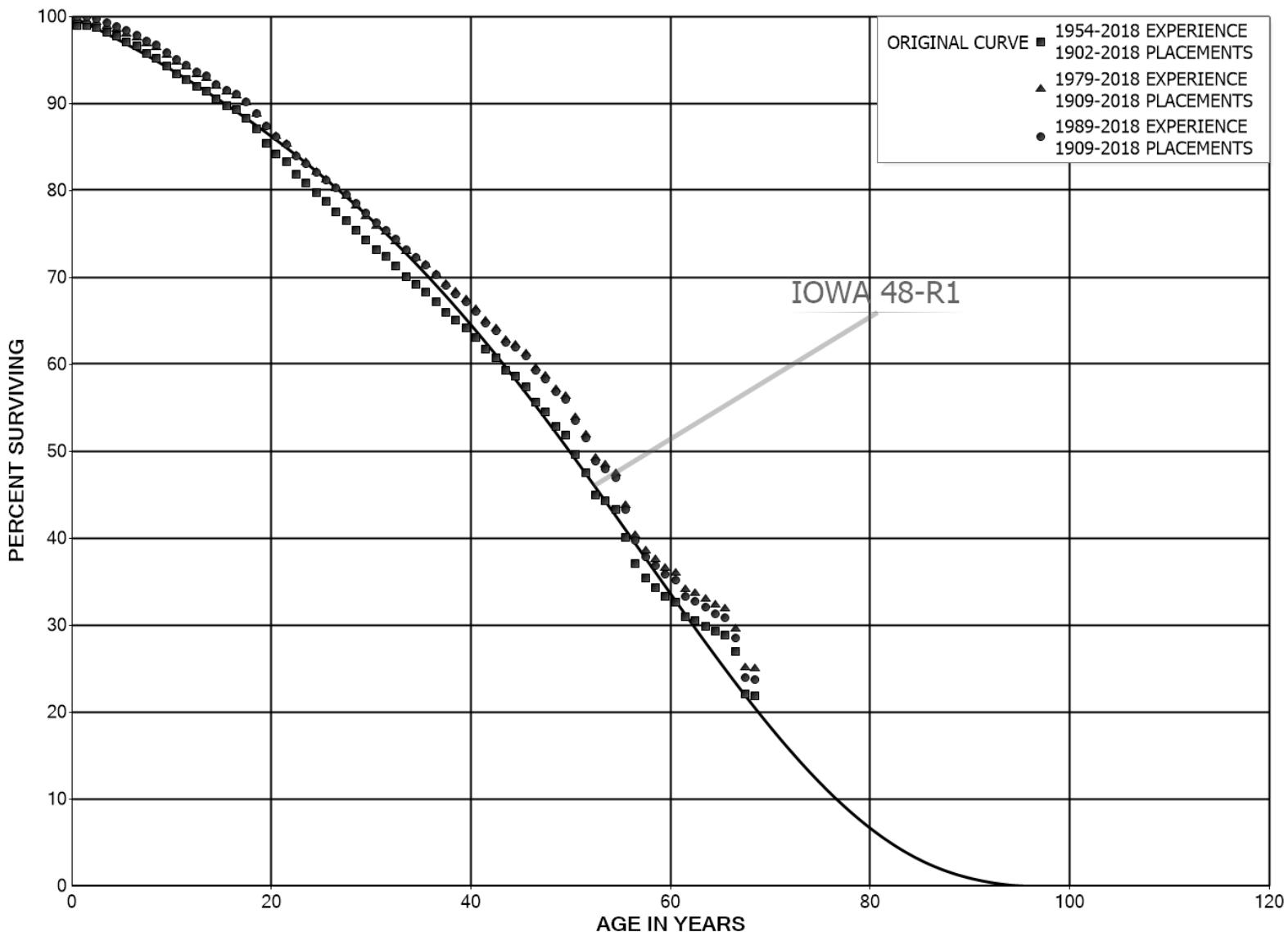
## DUKE ENERGY PROGRESS

## ACCOUNT 361 STRUCTURES AND IMPROVEMENTS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	98,044	1,192	0.0122	0.9878	31.52
80.5	96,834	20,732	0.2141	0.7859	31.13
81.5	76,076	942	0.0124	0.9876	24.47
82.5	75,134	3,385	0.0450	0.9550	24.16
83.5	71,749	224	0.0031	0.9969	23.08
84.5	71,009	68	0.0010	0.9990	23.00
85.5	70,942	1,204	0.0170	0.9830	22.98
86.5	69,737	161	0.0023	0.9977	22.59
87.5	69,576	1,442	0.0207	0.9793	22.54
88.5	57,554		0.0000	1.0000	22.07
89.5	57,554	14,239	0.2474	0.7526	22.07
90.5	43,316	28	0.0007	0.9993	16.61
91.5	43,287	4,376	0.1011	0.8989	16.60
92.5	18,588	1,485	0.0799	0.9201	14.92
93.5	2,363	217	0.0918	0.9082	13.73
94.5	91	82	0.9043	0.0957	12.47
95.5					1.19

DUKE ENERGY PROGRESS  
ACCOUNT 362 STATION EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	794,658,877	8,010,139	0.0101	0.9899	100.00
0.5	737,857,373	493,169	0.0007	0.9993	98.99
1.5	684,740,098	1,381,423	0.0020	0.9980	98.93
2.5	650,713,716	3,658,081	0.0056	0.9944	98.73
3.5	623,508,937	2,841,890	0.0046	0.9954	98.17
4.5	602,944,566	3,742,246	0.0062	0.9938	97.72
5.5	585,504,560	3,316,786	0.0057	0.9943	97.12
6.5	557,611,748	4,729,892	0.0085	0.9915	96.57
7.5	506,105,991	3,086,973	0.0061	0.9939	95.75
8.5	474,222,803	4,414,415	0.0093	0.9907	95.16
9.5	446,093,142	4,006,227	0.0090	0.9910	94.28
10.5	414,777,848	3,005,989	0.0072	0.9928	93.43
11.5	396,762,518	3,605,445	0.0091	0.9909	92.75
12.5	382,647,175	1,935,117	0.0051	0.9949	91.91
13.5	372,359,723	3,765,483	0.0101	0.9899	91.45
14.5	358,630,042	3,175,705	0.0089	0.9911	90.52
15.5	340,779,029	1,847,299	0.0054	0.9946	89.72
16.5	319,022,309	3,232,600	0.0101	0.9899	89.23
17.5	288,707,500	4,268,739	0.0148	0.9852	88.33
18.5	260,609,576	4,876,206	0.0187	0.9813	87.02
19.5	239,416,995	3,363,718	0.0140	0.9860	85.40
20.5	222,619,904	2,533,595	0.0114	0.9886	84.20
21.5	212,857,619	3,480,266	0.0164	0.9836	83.24
22.5	203,329,067	2,498,300	0.0123	0.9877	81.88
23.5	195,935,083	2,826,899	0.0144	0.9856	80.87
24.5	185,655,145	2,351,524	0.0127	0.9873	79.70
25.5	175,881,493	2,614,775	0.0149	0.9851	78.69
26.5	163,468,202	2,065,500	0.0126	0.9874	77.52
27.5	154,062,491	2,242,900	0.0146	0.9854	76.54
28.5	140,699,056	2,178,347	0.0155	0.9845	75.43
29.5	128,901,363	1,851,064	0.0144	0.9856	74.26
30.5	112,890,374	1,248,776	0.0111	0.9889	73.20
31.5	102,335,905	1,516,955	0.0148	0.9852	72.39
32.5	92,429,035	1,620,915	0.0175	0.9825	71.31
33.5	85,977,576	1,122,320	0.0131	0.9869	70.06
34.5	79,580,519	945,002	0.0119	0.9881	69.15
35.5	70,006,226	1,207,167	0.0172	0.9828	68.33
36.5	63,429,779	1,129,114	0.0178	0.9822	67.15
37.5	60,370,956	835,163	0.0138	0.9862	65.95
38.5	56,300,716	778,749	0.0138	0.9862	65.04

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	51,122,130	846,619	0.0166	0.9834	64.14
40.5	46,942,714	1,010,639	0.0215	0.9785	63.08
41.5	42,354,718	694,530	0.0164	0.9836	61.72
42.5	37,545,768	867,967	0.0231	0.9769	60.71
43.5	33,791,832	407,594	0.0121	0.9879	59.31
44.5	29,492,479	595,222	0.0202	0.9798	58.59
45.5	25,841,603	787,105	0.0305	0.9695	57.41
46.5	21,924,148	437,898	0.0200	0.9800	55.66
47.5	19,169,244	602,750	0.0314	0.9686	54.55
48.5	16,456,232	311,684	0.0189	0.9811	52.83
49.5	14,212,295	603,843	0.0425	0.9575	51.83
50.5	12,207,236	527,058	0.0432	0.9568	49.63
51.5	10,429,109	549,641	0.0527	0.9473	47.49
52.5	8,608,967	134,277	0.0156	0.9844	44.98
53.5	7,902,717	184,356	0.0233	0.9767	44.28
54.5	7,067,906	523,408	0.0741	0.9259	43.25
55.5	6,227,145	463,645	0.0745	0.9255	40.05
56.5	5,489,159	242,773	0.0442	0.9558	37.06
57.5	4,730,312	154,965	0.0328	0.9672	35.43
58.5	4,402,532	123,606	0.0281	0.9719	34.27
59.5	4,099,606	83,726	0.0204	0.9796	33.30
60.5	3,835,420	195,501	0.0510	0.9490	32.62
61.5	3,154,860	43,168	0.0137	0.9863	30.96
62.5	2,706,794	60,605	0.0224	0.9776	30.54
63.5	2,599,172	51,867	0.0200	0.9800	29.85
64.5	2,379,431	32,993	0.0139	0.9861	29.26
65.5	2,009,814	135,984	0.0677	0.9323	28.85
66.5	1,698,019	304,168	0.1791	0.8209	26.90
67.5	1,270,992	11,093	0.0087	0.9913	22.08
68.5	1,175,698	30,854	0.0262	0.9738	21.89
69.5	744,330	8,302	0.0112	0.9888	21.31
70.5	582,247	27,145	0.0466	0.9534	21.08
71.5	548,953	5,776	0.0105	0.9895	20.09
72.5	533,412	79,582	0.1492	0.8508	19.88
73.5	443,245	20,757	0.0468	0.9532	16.92
74.5	422,152	16,394	0.0388	0.9612	16.12
75.5	394,830	485	0.0012	0.9988	15.50
76.5	371,384	8,017	0.0216	0.9784	15.48
77.5	311,400	7,262	0.0233	0.9767	15.14
78.5	290,447	29,541	0.1017	0.8983	14.79

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	244,991	246	0.0010	0.9990	13.29
80.5	244,616	1,168	0.0048	0.9952	13.27
81.5	237,043	12,800	0.0540	0.9460	13.21
82.5	149,017	9,313	0.0625	0.9375	12.50
83.5	131,992	1,958	0.0148	0.9852	11.72
84.5	125,751	8,213	0.0653	0.9347	11.54
85.5	117,424	88	0.0007	0.9993	10.79
86.5	117,298	623	0.0053	0.9947	10.78
87.5	116,229	2,301	0.0198	0.9802	10.72
88.5	102,165	12	0.0001	0.9999	10.51
89.5	99,708	238	0.0024	0.9976	10.51
90.5	94,634	97	0.0010	0.9990	10.48
91.5	75,660	16	0.0002	0.9998	10.47
92.5	72,539	194	0.0027	0.9973	10.47
93.5	35,720	1,105	0.0309	0.9691	10.44
94.5	26,072	17,950	0.6885	0.3115	10.12
95.5	6,892	21	0.0031	0.9969	3.15
96.5	2,982	5	0.0017	0.9983	3.14
97.5	2,057		0.0000	1.0000	3.14
98.5	2,057		0.0000	1.0000	3.14
99.5	2,057		0.0000	1.0000	3.14
100.5	2,057		0.0000	1.0000	3.14
101.5	2,057		0.0000	1.0000	3.14
102.5	2,057		0.0000	1.0000	3.14
103.5	2,057		0.0000	1.0000	3.14
104.5	2,057		0.0000	1.0000	3.14
105.5	2,057		0.0000	1.0000	3.14
106.5	2,057		0.0000	1.0000	3.14
107.5	2,057		0.0000	1.0000	3.14
108.5	2,057	59	0.0288	0.9712	3.14
109.5					3.05

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	710,165,202	3,621,800	0.0051	0.9949	100.00
0.5	663,055,644	343,959	0.0005	0.9995	99.49
1.5	614,063,411	823,549	0.0013	0.9987	99.44
2.5	584,615,396	2,886,739	0.0049	0.9951	99.31
3.5	561,903,831	1,952,759	0.0035	0.9965	98.81
4.5	546,739,917	2,621,243	0.0048	0.9952	98.47
5.5	535,340,573	2,472,839	0.0046	0.9954	98.00
6.5	512,440,573	3,545,380	0.0069	0.9931	97.55
7.5	466,168,219	2,438,909	0.0052	0.9948	96.87
8.5	438,754,144	3,899,978	0.0089	0.9911	96.36
9.5	415,146,285	3,294,696	0.0079	0.9921	95.51
10.5	387,459,734	2,551,305	0.0066	0.9934	94.75
11.5	372,854,337	3,297,629	0.0088	0.9912	94.13
12.5	360,727,699	1,624,607	0.0045	0.9955	93.29
13.5	351,766,434	3,339,193	0.0095	0.9905	92.87
14.5	339,618,166	2,527,022	0.0074	0.9926	91.99
15.5	322,818,766	1,493,210	0.0046	0.9954	91.31
16.5	302,106,031	2,888,631	0.0096	0.9904	90.89
17.5	273,058,279	3,758,845	0.0138	0.9862	90.02
18.5	246,324,655	4,065,729	0.0165	0.9835	88.78
19.5	226,728,998	2,983,077	0.0132	0.9868	87.31
20.5	210,670,185	2,133,641	0.0101	0.9899	86.16
21.5	202,205,498	3,049,488	0.0151	0.9849	85.29
22.5	194,074,196	1,917,989	0.0099	0.9901	84.00
23.5	187,466,553	2,408,553	0.0128	0.9872	83.17
24.5	177,698,286	2,017,395	0.0114	0.9886	82.11
25.5	169,184,758	2,075,291	0.0123	0.9877	81.17
26.5	157,654,128	1,854,327	0.0118	0.9882	80.18
27.5	148,919,077	2,014,954	0.0135	0.9865	79.23
28.5	136,229,949	2,116,849	0.0155	0.9845	78.16
29.5	125,283,987	1,738,143	0.0139	0.9861	76.95
30.5	109,577,809	1,070,654	0.0098	0.9902	75.88
31.5	99,283,539	1,347,748	0.0136	0.9864	75.14
32.5	89,543,252	1,368,648	0.0153	0.9847	74.12
33.5	83,361,859	933,497	0.0112	0.9888	72.99
34.5	77,126,731	814,508	0.0106	0.9894	72.17
35.5	67,519,256	1,040,494	0.0154	0.9846	71.41
36.5	61,133,675	1,019,775	0.0167	0.9833	70.31
37.5	58,273,802	752,306	0.0129	0.9871	69.13
38.5	54,253,209	711,153	0.0131	0.9869	68.24

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	49,229,589	778,522	0.0158	0.9842	67.35
40.5	45,111,645	924,065	0.0205	0.9795	66.28
41.5	40,572,454	549,654	0.0135	0.9865	64.92
42.5	35,999,726	721,262	0.0200	0.9800	64.04
43.5	32,405,084	286,436	0.0088	0.9912	62.76
44.5	28,183,644	466,039	0.0165	0.9835	62.21
45.5	24,658,427	658,376	0.0267	0.9733	61.18
46.5	20,871,204	318,952	0.0153	0.9847	59.54
47.5	18,233,960	471,268	0.0258	0.9742	58.63
48.5	15,655,541	221,735	0.0142	0.9858	57.12
49.5	13,517,614	589,235	0.0436	0.9564	56.31
50.5	11,535,057	428,458	0.0371	0.9629	53.86
51.5	9,876,863	501,222	0.0507	0.9493	51.85
52.5	8,115,417	127,908	0.0158	0.9842	49.22
53.5	7,456,764	166,221	0.0223	0.9777	48.45
54.5	6,658,822	505,437	0.0759	0.9241	47.37
55.5	5,873,685	461,252	0.0785	0.9215	43.77
56.5	5,190,051	238,895	0.0460	0.9540	40.33
57.5	4,463,213	109,598	0.0246	0.9754	38.48
58.5	4,180,876	113,012	0.0270	0.9730	37.53
59.5	3,889,246	62,732	0.0161	0.9839	36.52
60.5	3,677,090	191,099	0.0520	0.9480	35.93
61.5	3,001,227	39,775	0.0133	0.9867	34.06
62.5	2,558,973	51,878	0.0203	0.9797	33.61
63.5	2,462,018	51,867	0.0211	0.9789	32.93
64.5	2,242,407	29,102	0.0130	0.9870	32.24
65.5	1,876,681	135,984	0.0725	0.9275	31.82
66.5	1,594,845	238,927	0.1498	0.8502	29.51
67.5	1,233,059	8,575	0.0070	0.9930	25.09
68.5	1,140,670	27,372	0.0240	0.9760	24.92
69.5	723,560	2,710	0.0037	0.9963	24.32
70.5	567,069	17,404	0.0307	0.9693	24.23
71.5	543,516	2,376	0.0044	0.9956	23.48
72.5	531,375	77,580	0.1460	0.8540	23.38
73.5	443,210	20,722	0.0468	0.9532	19.97
74.5	422,152	16,394	0.0388	0.9612	19.03
75.5	394,830	485	0.0012	0.9988	18.29
76.5	371,384	8,017	0.0216	0.9784	18.27
77.5	311,400	7,262	0.0233	0.9767	17.88
78.5	290,447	29,541	0.1017	0.8983	17.46

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	244,991	246	0.0010	0.9990	15.68
80.5	244,616	1,168	0.0048	0.9952	15.67
81.5	237,043	12,800	0.0540	0.9460	15.59
82.5	149,017	9,313	0.0625	0.9375	14.75
83.5	131,992	1,958	0.0148	0.9852	13.83
84.5	125,751	8,213	0.0653	0.9347	13.63
85.5	117,424	88	0.0007	0.9993	12.74
86.5	117,298	623	0.0053	0.9947	12.73
87.5	116,229	2,301	0.0198	0.9802	12.66
88.5	102,165	12	0.0001	0.9999	12.41
89.5	99,708	238	0.0024	0.9976	12.41
90.5	94,634	97	0.0010	0.9990	12.38
91.5	75,660	16	0.0002	0.9998	12.36
92.5	72,539	194	0.0027	0.9973	12.36
93.5	35,720	1,105	0.0309	0.9691	12.33
94.5	26,072	17,950	0.6885	0.3115	11.95
95.5	6,892	21	0.0031	0.9969	3.72
96.5	2,982	5	0.0017	0.9983	3.71
97.5	2,057		0.0000	1.0000	3.70
98.5	2,057		0.0000	1.0000	3.70
99.5	2,057		0.0000	1.0000	3.70
100.5	2,057		0.0000	1.0000	3.70
101.5	2,057		0.0000	1.0000	3.70
102.5	2,057		0.0000	1.0000	3.70
103.5	2,057		0.0000	1.0000	3.70
104.5	2,057		0.0000	1.0000	3.70
105.5	2,057		0.0000	1.0000	3.70
106.5	2,057		0.0000	1.0000	3.70
107.5	2,057		0.0000	1.0000	3.70
108.5	2,057	59	0.0288	0.9712	3.70
109.5					3.60

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1909-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1989-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	617,347,763	112,977	0.0002	0.9998	100.00
0.5	588,673,216	338,960	0.0006	0.9994	99.98
1.5	545,830,680	823,544	0.0015	0.9985	99.92
2.5	521,037,560	2,622,913	0.0050	0.9950	99.77
3.5	499,714,213	1,918,965	0.0038	0.9962	99.27
4.5	484,726,315	2,525,848	0.0052	0.9948	98.89
5.5	478,687,909	2,424,031	0.0051	0.9949	98.37
6.5	458,657,783	3,441,421	0.0075	0.9925	97.88
7.5	410,940,864	1,843,906	0.0045	0.9955	97.14
8.5	385,407,676	3,331,128	0.0086	0.9914	96.71
9.5	364,961,239	3,067,832	0.0084	0.9916	95.87
10.5	339,361,637	2,407,055	0.0071	0.9929	95.06
11.5	327,357,596	2,874,738	0.0088	0.9912	94.39
12.5	318,931,633	1,461,874	0.0046	0.9954	93.56
13.5	313,405,963	3,184,313	0.0102	0.9898	93.13
14.5	306,283,213	2,355,390	0.0077	0.9923	92.19
15.5	294,906,678	1,419,511	0.0048	0.9952	91.48
16.5	279,048,517	2,690,925	0.0096	0.9904	91.04
17.5	253,212,699	3,667,054	0.0145	0.9855	90.16
18.5	229,111,724	3,873,768	0.0169	0.9831	88.85
19.5	212,604,417	2,932,840	0.0138	0.9862	87.35
20.5	198,864,224	2,084,647	0.0105	0.9895	86.15
21.5	191,757,433	2,955,433	0.0154	0.9846	85.24
22.5	185,095,700	1,800,100	0.0097	0.9903	83.93
23.5	179,252,247	2,349,268	0.0131	0.9869	83.11
24.5	170,417,436	1,738,766	0.0102	0.9898	82.02
25.5	160,730,677	1,733,420	0.0108	0.9892	81.19
26.5	149,217,737	1,533,311	0.0103	0.9897	80.31
27.5	141,150,330	1,777,790	0.0126	0.9874	79.49
28.5	128,746,085	1,809,677	0.0141	0.9859	78.48
29.5	117,931,371	1,738,143	0.0147	0.9853	77.38
30.5	102,150,851	1,070,654	0.0105	0.9895	76.24
31.5	92,564,485	1,347,748	0.0146	0.9854	75.44
32.5	83,773,257	1,368,648	0.0163	0.9837	74.34
33.5	77,918,555	933,497	0.0120	0.9880	73.13
34.5	72,173,485	814,508	0.0113	0.9887	72.25
35.5	63,650,686	1,040,494	0.0163	0.9837	71.44
36.5	57,867,540	1,019,775	0.0176	0.9824	70.27
37.5	55,522,901	752,306	0.0135	0.9865	69.03
38.5	52,197,606	711,153	0.0136	0.9864	68.10

## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	48,112,218	778,522	0.0162	0.9838	67.17
40.5	44,453,602	924,065	0.0208	0.9792	66.08
41.5	40,091,814	549,654	0.0137	0.9863	64.71
42.5	35,466,057	721,262	0.0203	0.9797	63.82
43.5	31,884,553	286,436	0.0090	0.9910	62.52
44.5	27,638,517	466,039	0.0169	0.9831	61.96
45.5	24,122,903	658,376	0.0273	0.9727	60.92
46.5	20,402,531	318,952	0.0156	0.9844	59.25
47.5	17,902,339	471,268	0.0263	0.9737	58.33
48.5	15,338,545	221,735	0.0145	0.9855	56.79
49.5	13,289,486	589,235	0.0443	0.9557	55.97
50.5	11,298,030	428,458	0.0379	0.9621	53.49
51.5	9,643,342	501,222	0.0520	0.9480	51.46
52.5	7,980,034	127,908	0.0160	0.9840	48.79
53.5	7,297,020	166,221	0.0228	0.9772	48.00
54.5	6,513,116	505,437	0.0776	0.9224	46.91
55.5	5,692,925	461,252	0.0810	0.9190	43.27
56.5	4,962,317	238,895	0.0481	0.9519	39.76
57.5	4,211,654	109,598	0.0260	0.9740	37.85
58.5	3,942,093	113,012	0.0287	0.9713	36.87
59.5	3,669,221	62,732	0.0171	0.9829	35.81
60.5	3,435,926	191,099	0.0556	0.9444	35.20
61.5	2,781,136	39,775	0.0143	0.9857	33.24
62.5	2,346,740	51,878	0.0221	0.9779	32.76
63.5	2,289,073	51,867	0.0227	0.9773	32.04
64.5	2,088,066	29,102	0.0139	0.9861	31.31
65.5	1,759,993	135,984	0.0773	0.9227	30.88
66.5	1,500,157	238,927	0.1593	0.8407	28.49
67.5	1,166,502	8,575	0.0074	0.9926	23.95
68.5	1,073,802	27,372	0.0255	0.9745	23.78
69.5	646,618	2,710	0.0042	0.9958	23.17
70.5	521,164	17,404	0.0334	0.9666	23.07
71.5	497,904	2,376	0.0048	0.9952	22.30
72.5	488,184	77,580	0.1589	0.8411	22.20
73.5	401,957	20,722	0.0516	0.9484	18.67
74.5	381,030	16,394	0.0430	0.9570	17.71
75.5	353,708	485	0.0014	0.9986	16.95
76.5	360,221	8,017	0.0223	0.9777	16.92
77.5	300,237	7,262	0.0242	0.9758	16.55
78.5	279,671	29,541	0.1056	0.8944	16.15

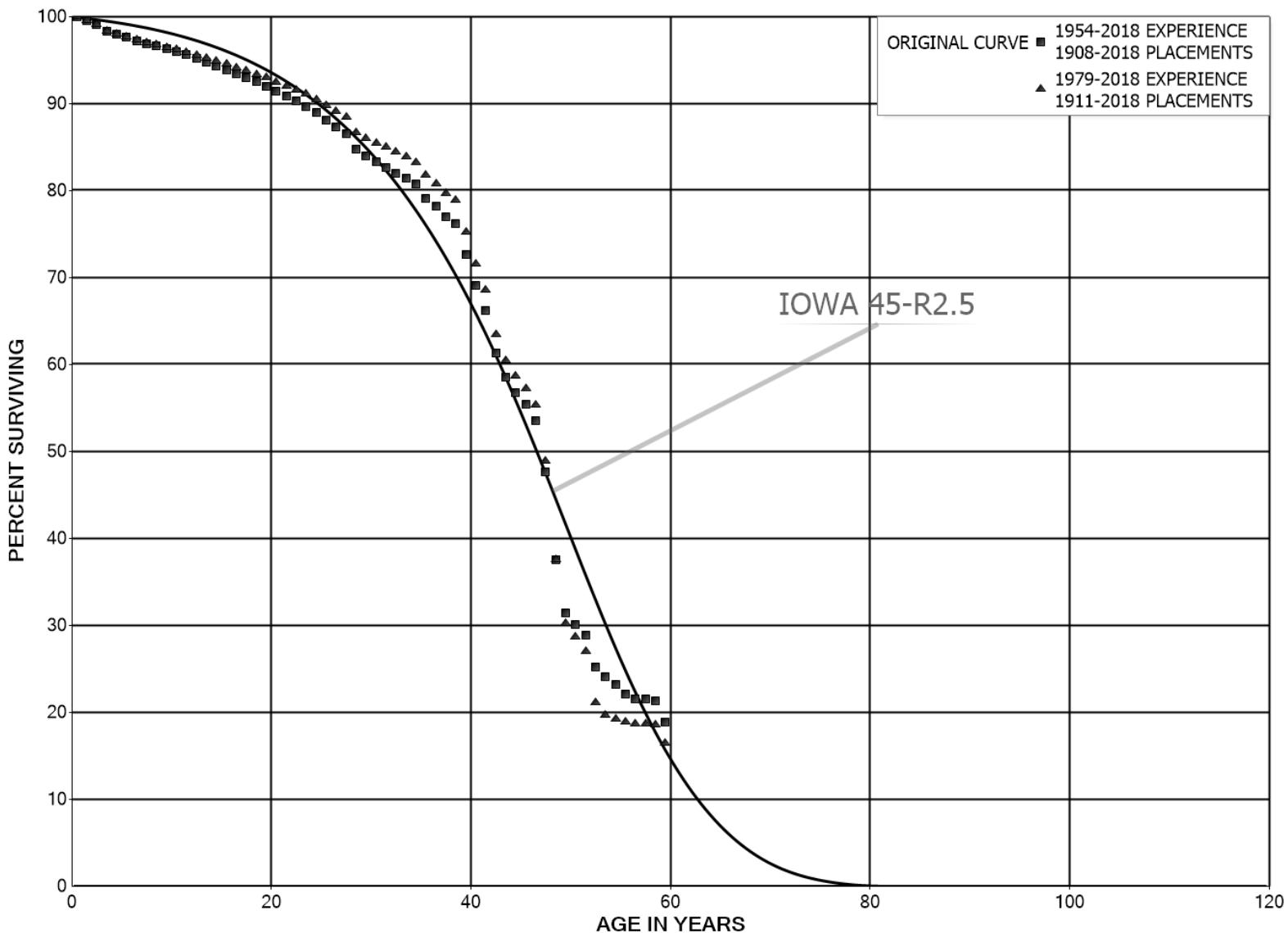
## DUKE ENERGY PROGRESS

## ACCOUNT 362 STATION EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	244,991	246	0.0010	0.9990	14.44
80.5	244,616	1,168	0.0048	0.9952	14.43
81.5	237,043	12,800	0.0540	0.9460	14.36
82.5	149,017	9,313	0.0625	0.9375	13.58
83.5	131,992	1,958	0.0148	0.9852	12.73
84.5	125,751	8,213	0.0653	0.9347	12.54
85.5	117,424	88	0.0007	0.9993	11.72
86.5	117,298	623	0.0053	0.9947	11.72
87.5	116,229	2,301	0.0198	0.9802	11.65
88.5	102,165	12	0.0001	0.9999	11.42
89.5	99,708	238	0.0024	0.9976	11.42
90.5	94,634	97	0.0010	0.9990	11.39
91.5	75,660	16	0.0002	0.9998	11.38
92.5	72,539	194	0.0027	0.9973	11.38
93.5	35,720	1,105	0.0309	0.9691	11.35
94.5	26,072	17,950	0.6885	0.3115	11.00
95.5	6,892	21	0.0031	0.9969	3.43
96.5	2,982	5	0.0017	0.9983	3.42
97.5	2,057		0.0000	1.0000	3.41
98.5	2,057		0.0000	1.0000	3.41
99.5	2,057		0.0000	1.0000	3.41
100.5	2,057		0.0000	1.0000	3.41
101.5	2,057		0.0000	1.0000	3.41
102.5	2,057		0.0000	1.0000	3.41
103.5	2,057		0.0000	1.0000	3.41
104.5	2,057		0.0000	1.0000	3.41
105.5	2,057		0.0000	1.0000	3.41
106.5	2,057		0.0000	1.0000	3.41
107.5	2,057		0.0000	1.0000	3.41
108.5	2,057	59	0.0288	0.9712	3.41
109.5					3.31

DUKE ENERGY PROGRESS  
ACCOUNT 364 POLES, TOWERS AND FIXTURES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018		EXPERIENCE BAND 1954-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	902,919,101	508,655	0.0006	0.9994	100.00
0.5	835,641,147	3,896,814	0.0047	0.9953	99.94
1.5	786,404,157	2,918,953	0.0037	0.9963	99.48
2.5	754,289,351	5,931,607	0.0079	0.9921	99.11
3.5	751,724,147	3,182,071	0.0042	0.9958	98.33
4.5	704,665,285	2,485,350	0.0035	0.9965	97.91
5.5	694,035,886	2,601,747	0.0037	0.9963	97.57
6.5	667,822,411	2,210,667	0.0033	0.9967	97.20
7.5	641,775,499	2,061,611	0.0032	0.9968	96.88
8.5	604,094,307	1,927,460	0.0032	0.9968	96.57
9.5	580,745,519	1,964,906	0.0034	0.9966	96.26
10.5	563,319,100	2,174,544	0.0039	0.9961	95.93
11.5	548,175,474	2,339,349	0.0043	0.9957	95.56
12.5	530,348,255	2,112,333	0.0040	0.9960	95.16
13.5	512,606,083	2,422,197	0.0047	0.9953	94.78
14.5	492,262,386	2,421,094	0.0049	0.9951	94.33
15.5	468,779,015	2,407,163	0.0051	0.9949	93.87
16.5	452,733,375	2,099,471	0.0046	0.9954	93.38
17.5	424,149,986	2,159,997	0.0051	0.9949	92.95
18.5	408,563,114	2,187,366	0.0054	0.9946	92.48
19.5	363,470,289	2,445,835	0.0067	0.9933	91.98
20.5	356,568,247	2,184,755	0.0061	0.9939	91.36
21.5	340,675,767	2,027,764	0.0060	0.9940	90.80
22.5	292,385,744	1,942,807	0.0066	0.9934	90.26
23.5	277,751,276	2,291,575	0.0083	0.9917	89.66
24.5	264,369,593	2,453,615	0.0093	0.9907	88.92
25.5	250,714,441	2,302,120	0.0092	0.9908	88.10
26.5	235,613,721	2,114,488	0.0090	0.9910	87.29
27.5	217,280,211	4,555,446	0.0210	0.9790	86.51
28.5	201,446,773	1,898,382	0.0094	0.9906	84.69
29.5	184,253,595	1,390,243	0.0075	0.9925	83.89
30.5	167,470,109	1,258,909	0.0075	0.9925	83.26
31.5	150,382,974	1,161,011	0.0077	0.9923	82.64
32.5	135,788,758	1,058,335	0.0078	0.9922	82.00
33.5	122,389,324	950,748	0.0078	0.9922	81.36
34.5	110,959,510	2,231,730	0.0201	0.9799	80.73
35.5	98,811,204	1,195,161	0.0121	0.9879	79.10
36.5	88,263,562	1,320,434	0.0150	0.9850	78.15
37.5	78,341,641	835,207	0.0107	0.9893	76.98
38.5	71,033,622	3,348,137	0.0471	0.9529	76.16

## DUKE ENERGY PROGRESS

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	61,663,922	2,957,581	0.0480	0.9520	72.57
40.5	52,462,395	2,191,260	0.0418	0.9582	69.09
41.5	45,987,886	3,408,857	0.0741	0.9259	66.20
42.5	37,908,218	1,745,084	0.0460	0.9540	61.29
43.5	33,131,755	991,722	0.0299	0.9701	58.47
44.5	27,671,308	671,297	0.0243	0.9757	56.72
45.5	20,945,492	695,614	0.0332	0.9668	55.35
46.5	16,230,588	1,801,564	0.1110	0.8890	53.51
47.5	10,851,440	2,290,716	0.2111	0.7889	47.57
48.5	5,881,745	953,923	0.1622	0.8378	37.53
49.5	3,991,099	170,974	0.0428	0.9572	31.44
50.5	3,057,516	128,736	0.0421	0.9579	30.09
51.5	2,197,010	275,457	0.1254	0.8746	28.83
52.5	1,426,847	67,594	0.0474	0.9526	25.21
53.5	1,226,143	40,649	0.0332	0.9668	24.02
54.5	1,025,237	52,881	0.0516	0.9484	23.22
55.5	901,497	20,621	0.0229	0.9771	22.02
56.5	880,876	1,060	0.0012	0.9988	21.52
57.5	879,816	9,520	0.0108	0.9892	21.49
58.5	870,296	101,175	0.1163	0.8837	21.26
59.5	769,120	52,066	0.0677	0.9323	18.79
60.5	717,054	1,230	0.0017	0.9983	17.52
61.5	715,824	2,769	0.0039	0.9961	17.49
62.5	713,055	390	0.0005	0.9995	17.42
63.5	712,665	181,280	0.2544	0.7456	17.41
64.5	528,744	181,908	0.3440	0.6560	12.98
65.5	346,836	133,584	0.3852	0.6148	8.52
66.5	211,418	87,402	0.4134	0.5866	5.24
67.5	124,016	62,863	0.5069	0.4931	3.07
68.5	61,073	58,626	0.9599	0.0401	1.51
69.5	2,415	0	0.0000	1.0000	0.06
70.5	2,415		0.0000	1.0000	0.06
71.5	2,415	2,389	0.9891	0.0109	0.06
72.5	10	0	0.0010	0.9990	0.00
73.5	10	0	0.0052	0.9948	0.00
74.5	10	0	0.0063	0.9937	0.00
75.5	9	0.0000	1.0000	0.00	
76.5	9	0.0000	1.0000	0.00	
77.5	9	0.0000	1.0000	0.00	
78.5	9	0.0000	1.0000	0.00	

## DUKE ENERGY PROGRESS

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	9		0.0000	1.0000	0.00
80.5	9		0.0000	1.0000	0.00
81.5	9		1.0000		0.00
82.5					

## DUKE ENERGY PROGRESS

ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	811,111,371	374,278	0.0005	0.9995	100.00
0.5	750,134,186	3,606,062	0.0048	0.9952	99.95
1.5	704,740,281	2,519,902	0.0036	0.9964	99.47
2.5	677,183,977	5,524,192	0.0082	0.9918	99.12
3.5	675,805,867	2,832,930	0.0042	0.9958	98.31
4.5	634,276,028	2,102,983	0.0033	0.9967	97.90
5.5	630,477,489	2,188,683	0.0035	0.9965	97.57
6.5	609,477,141	1,788,702	0.0029	0.9971	97.23
7.5	588,037,986	1,565,287	0.0027	0.9973	96.95
8.5	555,301,324	1,491,150	0.0027	0.9973	96.69
9.5	536,027,834	1,486,634	0.0028	0.9972	96.43
10.5	522,257,209	1,708,149	0.0033	0.9967	96.16
11.5	510,612,244	1,798,307	0.0035	0.9965	95.85
12.5	496,024,934	1,582,573	0.0032	0.9968	95.51
13.5	480,608,741	1,872,665	0.0039	0.9961	95.21
14.5	463,048,749	1,873,815	0.0040	0.9960	94.84
15.5	441,577,204	1,852,672	0.0042	0.9958	94.45
16.5	427,289,891	1,571,702	0.0037	0.9963	94.06
17.5	400,583,916	1,610,696	0.0040	0.9960	93.71
18.5	386,405,667	1,644,148	0.0043	0.9957	93.33
19.5	345,575,674	1,925,980	0.0056	0.9944	92.94
20.5	340,022,111	1,681,375	0.0049	0.9951	92.42
21.5	325,583,370	1,538,395	0.0047	0.9953	91.96
22.5	278,352,496	1,446,984	0.0052	0.9948	91.53
23.5	265,073,571	1,798,563	0.0068	0.9932	91.05
24.5	253,162,071	1,911,457	0.0076	0.9924	90.43
25.5	240,902,420	1,856,498	0.0077	0.9923	89.75
26.5	227,126,353	1,670,320	0.0074	0.9926	89.06
27.5	209,948,385	4,230,570	0.0202	0.9798	88.40
28.5	197,525,065	1,574,490	0.0080	0.9920	86.62
29.5	180,761,000	1,057,928	0.0059	0.9941	85.93
30.5	164,426,589	981,589	0.0060	0.9940	85.43
31.5	147,676,834	953,765	0.0065	0.9935	84.92
32.5	133,313,568	898,344	0.0067	0.9933	84.37
33.5	120,071,010	824,624	0.0069	0.9931	83.80
34.5	108,776,990	2,032,184	0.0187	0.9813	83.23
35.5	96,833,255	1,078,038	0.0111	0.9889	81.67
36.5	86,412,150	1,243,025	0.0144	0.9856	80.76
37.5	76,597,980	730,873	0.0095	0.9905	79.60
38.5	69,468,827	3,273,094	0.0471	0.9529	78.84

## DUKE ENERGY PROGRESS

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
39.5	60,174,273	2,883,718	0.0479	0.9521	75.13	
40.5	51,088,222	2,122,477	0.0415	0.9585	71.53	
41.5	44,732,761	3,379,495	0.0755	0.9245	68.55	
42.5	36,685,339	1,721,757	0.0469	0.9531	63.37	
43.5	31,932,203	938,943	0.0294	0.9706	60.40	
44.5	26,524,536	651,541	0.0246	0.9754	58.62	
45.5	19,818,395	666,801	0.0336	0.9664	57.18	
46.5	15,132,306	1,773,548	0.1172	0.8828	55.26	
47.5	9,791,576	2,272,004	0.2320	0.7680	48.78	
48.5	4,855,118	940,756	0.1938	0.8062	37.46	
49.5	2,998,895	158,103	0.0527	0.9473	30.20	
50.5	2,088,992	125,235	0.0599	0.9401	28.61	
51.5	1,239,215	269,462	0.2174	0.7826	26.90	
52.5	901,196	62,337	0.0692	0.9308	21.05	
53.5	953,470	20,170	0.0212	0.9788	19.59	
54.5	814,489	12,487	0.0153	0.9847	19.18	
55.5	780,927	10,066	0.0129	0.9871	18.88	
56.5	824,300	974	0.0012	0.9988	18.64	
57.5	864,649	4,180	0.0048	0.9952	18.62	
58.5	870,286	101,175	0.1163	0.8837	18.53	
59.5	769,111	52,066	0.0677	0.9323	16.37	
60.5	717,044	1,230	0.0017	0.9983	15.27	
61.5	715,814	2,769	0.0039	0.9961	15.24	
62.5	713,045	390	0.0005	0.9995	15.18	
63.5	712,655	181,280	0.2544	0.7456	15.17	
64.5	528,735	181,908	0.3440	0.6560	11.31	
65.5	346,826	133,584	0.3852	0.6148	7.42	
66.5	211,408	87,402	0.4134	0.5866	4.56	
67.5	124,016	62,863	0.5069	0.4931	2.68	
68.5	61,073	58,626	0.9599	0.0401	1.32	
69.5	2,415	0	0.0000	1.0000	0.05	
70.5	2,415		0.0000	1.0000	0.05	
71.5	2,415	2,389	0.9891	0.0109	0.05	
72.5	10	0	0.0010	0.9990	0.00	
73.5	10	0	0.0052	0.9948	0.00	
74.5	10	0	0.0063	0.9937	0.00	
75.5	9	0.0000	1.0000	0.00		
76.5	9	0.0000	1.0000	0.00		
77.5	9	0.0000	1.0000	0.00		
78.5	9	0.0000	1.0000	0.00		

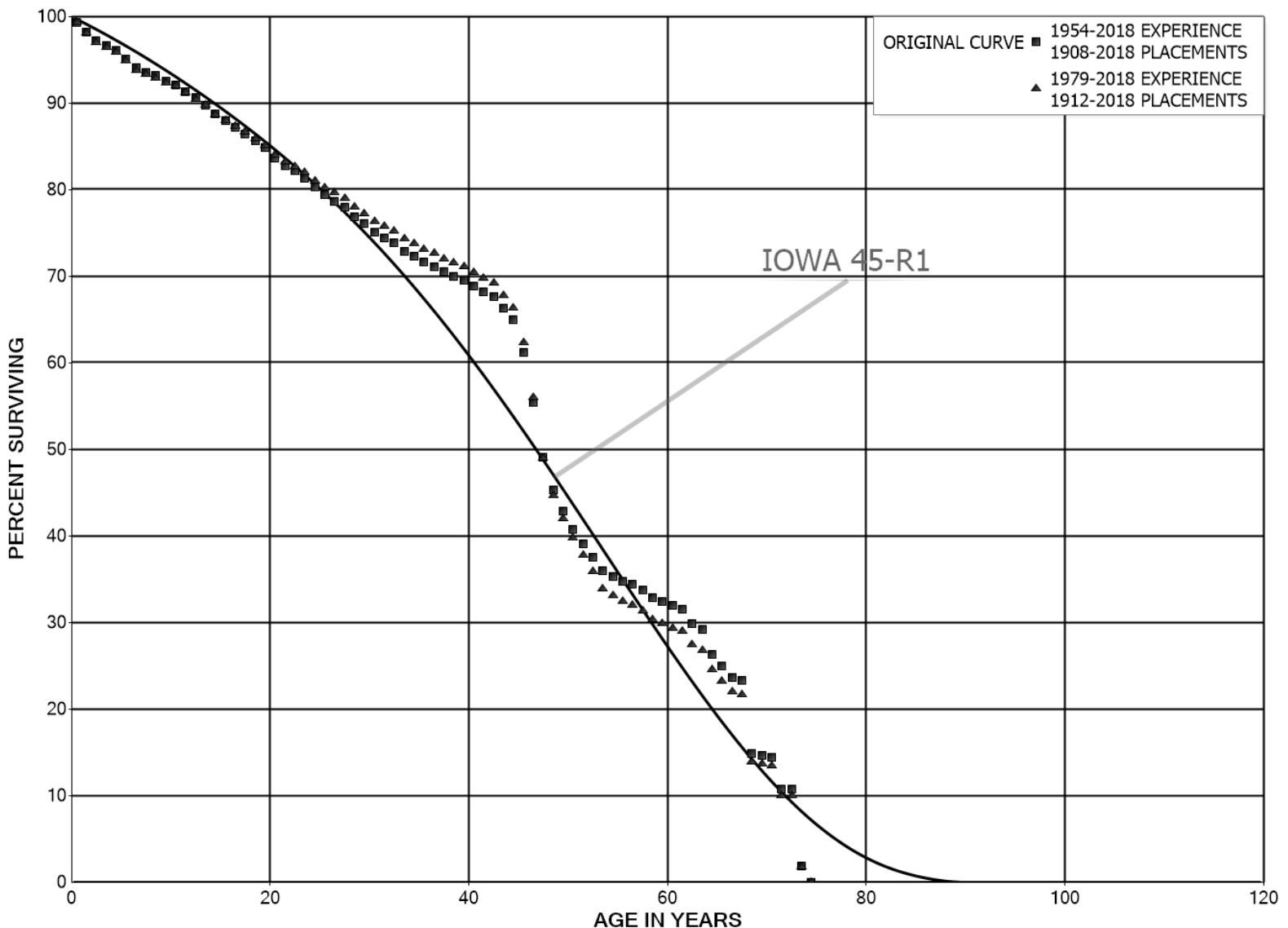
## DUKE ENERGY PROGRESS

## ACCOUNT 364 POLES, TOWERS AND FIXTURES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	9		0.0000	1.0000	0.00
80.5	9		0.0000	1.0000	0.00
81.5	9		1.0000		0.00
82.5					

DUKE ENERGY PROGRESS  
ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,282,825,027	9,313,472	0.0073	0.9927	100.00
0.5	1,184,049,558	12,858,876	0.0109	0.9891	99.27
1.5	1,060,935,434	11,367,056	0.0107	0.9893	98.20
2.5	993,420,802	5,953,904	0.0060	0.9940	97.14
3.5	975,772,332	5,572,873	0.0057	0.9943	96.56
4.5	883,905,839	8,780,168	0.0099	0.9901	96.01
5.5	850,529,135	8,911,745	0.0105	0.9895	95.06
6.5	812,774,519	4,377,940	0.0054	0.9946	94.06
7.5	792,782,313	3,557,764	0.0045	0.9955	93.55
8.5	742,054,687	4,759,992	0.0064	0.9936	93.13
9.5	709,546,015	3,209,482	0.0045	0.9955	92.54
10.5	685,549,795	5,871,825	0.0086	0.9914	92.12
11.5	662,861,925	5,557,294	0.0084	0.9916	91.33
12.5	643,200,236	5,788,078	0.0090	0.9910	90.56
13.5	618,135,196	7,421,980	0.0120	0.9880	89.75
14.5	592,105,286	5,208,551	0.0088	0.9912	88.67
15.5	558,499,481	4,769,076	0.0085	0.9915	87.89
16.5	528,765,157	4,196,379	0.0079	0.9921	87.14
17.5	482,409,266	4,793,217	0.0099	0.9901	86.45
18.5	459,739,255	4,338,445	0.0094	0.9906	85.59
19.5	382,704,088	5,282,288	0.0138	0.9862	84.78
20.5	370,448,528	3,894,294	0.0105	0.9895	83.61
21.5	353,742,043	2,614,903	0.0074	0.9926	82.73
22.5	301,421,636	2,883,229	0.0096	0.9904	82.12
23.5	289,559,211	3,699,191	0.0128	0.9872	81.34
24.5	277,955,987	3,236,829	0.0116	0.9884	80.30
25.5	266,340,697	2,337,649	0.0088	0.9912	79.36
26.5	250,805,034	2,400,677	0.0096	0.9904	78.66
27.5	233,224,048	3,175,660	0.0136	0.9864	77.91
28.5	211,971,201	2,113,117	0.0100	0.9900	76.85
29.5	193,219,907	2,626,721	0.0136	0.9864	76.09
30.5	177,857,403	1,586,778	0.0089	0.9911	75.05
31.5	161,399,688	1,278,674	0.0079	0.9921	74.38
32.5	149,063,140	1,884,181	0.0126	0.9874	73.79
33.5	138,000,784	1,005,868	0.0073	0.9927	72.86
34.5	129,579,004	1,213,516	0.0094	0.9906	72.33
35.5	120,843,101	919,460	0.0076	0.9924	71.65
36.5	113,055,499	1,013,783	0.0090	0.9910	71.11
37.5	105,548,905	790,211	0.0075	0.9925	70.47
38.5	97,095,801	610,042	0.0063	0.9937	69.94

## DUKE ENERGY PROGRESS

## ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	88,989,432	896,104	0.0101	0.9899	69.50
40.5	82,387,766	699,134	0.0085	0.9915	68.80
41.5	77,889,841	739,985	0.0095	0.9905	68.22
42.5	75,201,253	1,420,883	0.0189	0.9811	67.57
43.5	69,892,818	1,441,364	0.0206	0.9794	66.29
44.5	60,838,242	3,485,146	0.0573	0.9427	64.93
45.5	53,468,651	5,030,124	0.0941	0.9059	61.21
46.5	43,486,287	5,018,476	0.1154	0.8846	55.45
47.5	29,357,738	2,244,815	0.0765	0.9235	49.05
48.5	23,730,735	1,307,084	0.0551	0.9449	45.30
49.5	19,199,626	909,880	0.0474	0.9526	42.80
50.5	15,948,240	665,619	0.0417	0.9583	40.78
51.5	11,922,431	476,127	0.0399	0.9601	39.07
52.5	8,732,316	376,638	0.0431	0.9569	37.51
53.5	6,584,287	106,458	0.0162	0.9838	35.89
54.5	5,228,219	84,316	0.0161	0.9839	35.31
55.5	4,946,779	53,096	0.0107	0.9893	34.75
56.5	4,717,549	85,228	0.0181	0.9819	34.37
57.5	4,444,657	114,984	0.0259	0.9741	33.75
58.5	4,213,180	61,642	0.0146	0.9854	32.88
59.5	4,089,326	61,644	0.0151	0.9849	32.40
60.5	4,013,602	45,449	0.0113	0.9887	31.91
61.5	3,943,137	209,142	0.0530	0.9470	31.55
62.5	3,713,657	90,402	0.0243	0.9757	29.87
63.5	3,617,930	353,720	0.0978	0.9022	29.15
64.5	3,264,210	167,884	0.0514	0.9486	26.30
65.5	3,096,326	171,540	0.0554	0.9446	24.94
66.5	2,924,786	34,224	0.0117	0.9883	23.56
67.5	2,890,562	1,042,548	0.3607	0.6393	23.29
68.5	1,848,014	36,308	0.0196	0.9804	14.89
69.5	1,811,706	19,063	0.0105	0.9895	14.60
70.5	1,792,644	458,957	0.2560	0.7440	14.44
71.5	1,333,686		0.0000	1.0000	10.74
72.5	1,333,686	1,105,593	0.8290	0.1710	10.74
73.5	228,093	228,092	1.0000	0.0000	1.84
74.5	1		0.0000	1.0000	0.00
75.5	1		0.0000	1.0000	0.00
76.5	1		0.0000	1.0000	0.00
77.5	1	1	0.6552	0.3448	0.00
78.5	1		0.0000	1.0000	0.00
79.5	1	1	1.0000		0.00
80.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,177,609,953	8,980,487	0.0076	0.9924	100.00
0.5	1,083,986,777	12,267,679	0.0113	0.9887	99.24
1.5	965,251,353	11,058,925	0.0115	0.9885	98.11
2.5	900,999,936	5,627,421	0.0062	0.9938	96.99
3.5	886,604,706	5,229,419	0.0059	0.9941	96.38
4.5	801,698,221	8,426,250	0.0105	0.9895	95.82
5.5	771,328,647	8,475,822	0.0110	0.9890	94.81
6.5	740,691,499	3,913,496	0.0053	0.9947	93.77
7.5	732,435,840	3,083,700	0.0042	0.9958	93.27
8.5	686,979,923	4,283,657	0.0062	0.9938	92.88
9.5	659,185,731	2,684,966	0.0041	0.9959	92.30
10.5	640,023,558	5,320,581	0.0083	0.9917	91.92
11.5	622,286,252	4,948,057	0.0080	0.9920	91.16
12.5	607,685,074	5,137,342	0.0085	0.9915	90.43
13.5	585,435,574	6,721,148	0.0115	0.9885	89.67
14.5	564,293,206	4,567,071	0.0081	0.9919	88.64
15.5	534,337,487	4,109,349	0.0077	0.9923	87.92
16.5	506,408,968	3,662,853	0.0072	0.9928	87.25
17.5	462,387,908	4,176,651	0.0090	0.9910	86.62
18.5	441,094,675	3,783,100	0.0086	0.9914	85.83
19.5	366,388,522	4,764,598	0.0130	0.9870	85.10
20.5	355,442,443	3,416,861	0.0096	0.9904	83.99
21.5	340,768,173	2,179,377	0.0064	0.9936	83.18
22.5	289,760,726	2,419,208	0.0083	0.9917	82.65
23.5	278,487,713	3,242,261	0.0116	0.9884	81.96
24.5	268,703,518	2,804,707	0.0104	0.9896	81.01
25.5	258,484,115	1,926,099	0.0075	0.9925	80.16
26.5	243,567,002	2,048,495	0.0084	0.9916	79.56
27.5	226,484,898	2,873,444	0.0127	0.9873	78.90
28.5	205,697,854	1,778,859	0.0086	0.9914	77.89
29.5	186,395,141	2,297,241	0.0123	0.9877	77.22
30.5	171,547,102	1,329,466	0.0077	0.9923	76.27
31.5	155,524,893	1,076,039	0.0069	0.9931	75.68
32.5	143,543,214	1,745,228	0.0122	0.9878	75.15
33.5	132,285,517	877,917	0.0066	0.9934	74.24
34.5	124,377,727	1,070,411	0.0086	0.9914	73.75
35.5	115,785,253	846,703	0.0073	0.9927	73.11
36.5	107,881,132	909,756	0.0084	0.9916	72.58
37.5	100,502,928	686,989	0.0068	0.9932	71.97
38.5	92,219,262	549,639	0.0060	0.9940	71.47

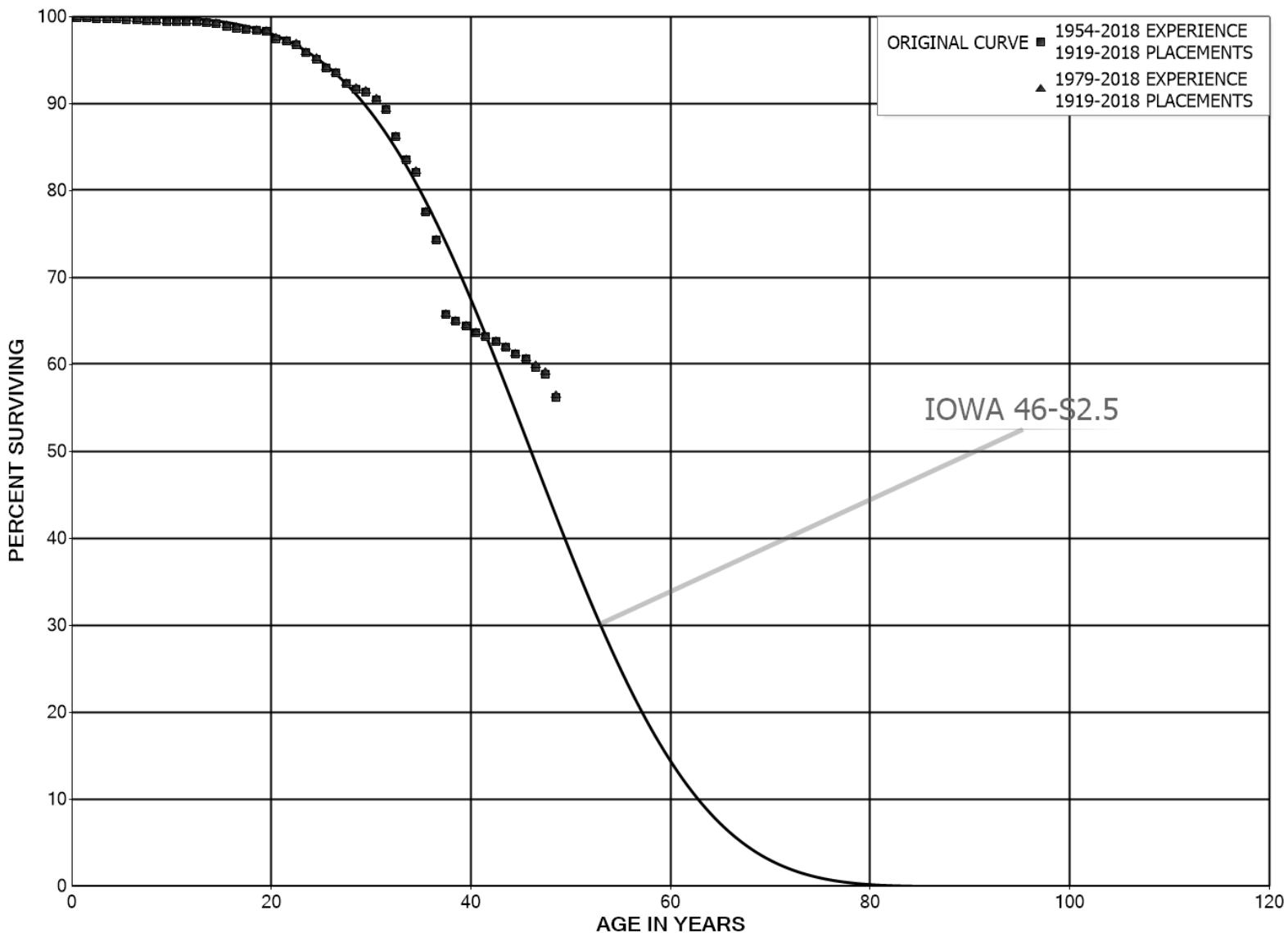
## DUKE ENERGY PROGRESS

## ACCOUNT 365 OVERHEAD CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	84,285,065	813,084	0.0096	0.9904	71.05
40.5	77,940,485	647,725	0.0083	0.9917	70.36
41.5	73,532,927	687,345	0.0093	0.9907	69.78
42.5	70,932,459	1,388,046	0.0196	0.9804	69.13
43.5	65,763,134	1,427,958	0.0217	0.9783	67.77
44.5	56,756,446	3,448,691	0.0608	0.9392	66.30
45.5	49,527,098	4,991,453	0.1008	0.8992	62.27
46.5	39,656,161	5,000,133	0.1261	0.8739	56.00
47.5	25,581,406	2,237,247	0.0875	0.9125	48.94
48.5	21,063,574	1,270,871	0.0603	0.9397	44.66
49.5	16,575,714	901,468	0.0544	0.9456	41.96
50.5	13,518,537	659,041	0.0488	0.9512	39.68
51.5	9,603,483	475,863	0.0496	0.9504	37.75
52.5	6,548,724	376,571	0.0575	0.9425	35.88
53.5	4,560,531	106,321	0.0233	0.9767	33.81
54.5	4,407,998	84,316	0.0191	0.9809	33.02
55.5	4,126,558	53,083	0.0129	0.9871	32.39
56.5	3,897,342	85,152	0.0218	0.9782	31.98
57.5	3,643,040	114,804	0.0315	0.9685	31.28
58.5	3,870,746	61,642	0.0159	0.9841	30.29
59.5	3,746,892	61,644	0.0165	0.9835	29.81
60.5	3,671,168	45,449	0.0124	0.9876	29.32
61.5	3,828,794	209,112	0.0546	0.9454	28.96
62.5	3,606,239	90,402	0.0251	0.9749	27.37
63.5	3,515,536	289,327	0.0823	0.9177	26.69
64.5	3,226,209	167,716	0.0520	0.9480	24.49
65.5	3,058,492	171,540	0.0561	0.9439	23.22
66.5	2,924,238	34,224	0.0117	0.9883	21.92
67.5	2,890,014	1,042,548	0.3607	0.6393	21.66
68.5	1,847,466	36,308	0.0197	0.9803	13.85
69.5	1,811,158	18,515	0.0102	0.9898	13.57
70.5	1,792,644	458,957	0.2560	0.7440	13.44
71.5	1,333,686		0.0000	1.0000	10.00
72.5	1,333,686	1,105,593	0.8290	0.1710	10.00
73.5	228,093	228,092	1.0000	0.0000	1.71
74.5	1		0.0000	1.0000	0.00
75.5	1		0.0000	1.0000	0.00
76.5	1		0.0000	1.0000	0.00
77.5	1	1	0.6552	0.3448	0.00
78.5	1		0.0000	1.0000	0.00
79.5	1	1	1.0000		0.00
80.5					

DUKE ENERGY PROGRESS  
ACCOUNT 366 UNDERGROUND CONDUIT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 366 UNDERGROUND CONDUIT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1919-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	205,512,966	294,414	0.0014	0.9986	100.00
0.5	198,447,340	114,972	0.0006	0.9994	99.86
1.5	186,248,839	81,786	0.0004	0.9996	99.80
2.5	186,338,150	53,683	0.0003	0.9997	99.76
3.5	186,188,344	84,065	0.0005	0.9995	99.73
4.5	167,140,105	35,205	0.0002	0.9998	99.68
5.5	150,259,266	113,528	0.0008	0.9992	99.66
6.5	133,061,834	114,420	0.0009	0.9991	99.59
7.5	123,603,515	22,601	0.0002	0.9998	99.50
8.5	120,635,852	58,654	0.0005	0.9995	99.48
9.5	117,803,937	38,608	0.0003	0.9997	99.43
10.5	113,643,646	29,046	0.0003	0.9997	99.40
11.5	108,497,475	37,137	0.0003	0.9997	99.37
12.5	103,638,510	41,814	0.0004	0.9996	99.34
13.5	96,215,132	110,555	0.0011	0.9989	99.30
14.5	89,100,173	275,526	0.0031	0.9969	99.19
15.5	82,767,039	183,464	0.0022	0.9978	98.88
16.5	79,803,676	144,297	0.0018	0.9982	98.66
17.5	70,659,001	87,790	0.0012	0.9988	98.48
18.5	67,122,920	76,664	0.0011	0.9989	98.36
19.5	53,079,627	446,262	0.0084	0.9916	98.25
20.5	52,524,257	142,326	0.0027	0.9973	97.42
21.5	48,893,517	194,449	0.0040	0.9960	97.16
22.5	37,811,875	369,680	0.0098	0.9902	96.77
23.5	33,600,957	261,716	0.0078	0.9922	95.83
24.5	31,140,097	336,168	0.0108	0.9892	95.08
25.5	29,149,319	185,479	0.0064	0.9936	94.05
26.5	24,586,727	307,793	0.0125	0.9875	93.45
27.5	22,106,364	159,101	0.0072	0.9928	92.28
28.5	18,724,058	67,227	0.0036	0.9964	91.62
29.5	11,361,823	104,913	0.0092	0.9908	91.29
30.5	8,218,827	107,563	0.0131	0.9869	90.45
31.5	5,637,185	196,920	0.0349	0.9651	89.26
32.5	4,415,736	137,391	0.0311	0.9689	86.15
33.5	3,600,812	58,618	0.0163	0.9837	83.47
34.5	3,112,164	174,674	0.0561	0.9439	82.11
35.5	2,820,229	116,892	0.0414	0.9586	77.50
36.5	2,382,580	274,949	0.1154	0.8846	74.29
37.5	1,865,079	21,083	0.0113	0.9887	65.71
38.5	1,821,764	17,599	0.0097	0.9903	64.97

## DUKE ENERGY PROGRESS

## ACCOUNT 366 UNDERGROUND CONDUIT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1919-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,750,321	18,811	0.0107	0.9893	64.34
40.5	1,665,766	11,754	0.0071	0.9929	63.65
41.5	1,272,256	12,367	0.0097	0.9903	63.20
42.5	1,256,530	12,597	0.0100	0.9900	62.59
43.5	1,211,230	14,732	0.0122	0.9878	61.96
44.5	951,754	9,711	0.0102	0.9898	61.21
45.5	486,078	8,121	0.0167	0.9833	60.58
46.5	215,585	2,724	0.0126	0.9874	59.57
47.5	168,344	7,649	0.0454	0.9546	58.82
48.5	131,662	1,151	0.0087	0.9913	56.15
49.5	17,896	358	0.0200	0.9800	55.65
50.5	16,129	1,254	0.0778	0.9222	54.54
51.5	694	5	0.0074	0.9926	50.30
52.5	219	1	0.0040	0.9960	49.93
53.5	144		0.0000	1.0000	49.73
54.5	144		0.0000	1.0000	49.73
55.5	144		0.0000	1.0000	49.73
56.5	144		0.0000	1.0000	49.73
57.5	144		0.0000	1.0000	49.73
58.5	144		0.0000	1.0000	49.73
59.5	144		0.0000	1.0000	49.73
60.5	144	74	0.5138	0.4862	49.73
61.5	70		0.0000	1.0000	24.18
62.5	70	20	0.2806	0.7194	24.18
63.5	3		0.0000	1.0000	17.39
64.5	3		0.0000	1.0000	17.39
65.5	3		0.0000	1.0000	17.39
66.5	3		0.0000	1.0000	17.39
67.5	3		0.0000	1.0000	17.39
68.5	3		0.0000	1.0000	17.39
69.5	3		0.0000	1.0000	17.39
70.5	3		0.0000	1.0000	17.39
71.5	3	3	1.0000		17.39
72.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 366 UNDERGROUND CONDUIT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1919-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	201,763,237	291,993	0.0014	0.9986	100.00
0.5	195,026,427	113,446	0.0006	0.9994	99.86
1.5	183,261,988	68,008	0.0004	0.9996	99.80
2.5	183,615,805	51,028	0.0003	0.9997	99.76
3.5	183,628,844	79,516	0.0004	0.9996	99.73
4.5	164,879,537	31,818	0.0002	0.9998	99.69
5.5	148,575,392	112,742	0.0008	0.9992	99.67
6.5	131,709,013	114,080	0.0009	0.9991	99.59
7.5	122,491,462	18,176	0.0001	0.9999	99.51
8.5	119,698,718	55,751	0.0005	0.9995	99.49
9.5	117,137,061	38,511	0.0003	0.9997	99.45
10.5	113,118,872	22,095	0.0002	0.9998	99.41
11.5	108,110,457	29,877	0.0003	0.9997	99.39
12.5	103,294,968	40,233	0.0004	0.9996	99.37
13.5	95,925,503	109,271	0.0011	0.9989	99.33
14.5	88,816,891	275,218	0.0031	0.9969	99.22
15.5	82,487,536	183,327	0.0022	0.9978	98.91
16.5	79,528,548	143,607	0.0018	0.9982	98.69
17.5	70,392,815	78,124	0.0011	0.9989	98.51
18.5	66,876,166	76,472	0.0011	0.9989	98.40
19.5	53,064,238	445,926	0.0084	0.9916	98.29
20.5	52,509,204	141,986	0.0027	0.9973	97.46
21.5	48,878,706	193,760	0.0040	0.9960	97.20
22.5	37,797,676	369,233	0.0098	0.9902	96.81
23.5	33,597,617	261,464	0.0078	0.9922	95.87
24.5	31,134,561	336,150	0.0108	0.9892	95.12
25.5	29,143,919	185,348	0.0064	0.9936	94.09
26.5	24,581,464	305,294	0.0124	0.9876	93.50
27.5	22,102,656	159,094	0.0072	0.9928	92.34
28.5	18,720,684	67,199	0.0036	0.9964	91.67
29.5	11,358,493	104,902	0.0092	0.9908	91.34
30.5	8,215,507	107,563	0.0131	0.9869	90.50
31.5	5,633,865	196,920	0.0350	0.9650	89.31
32.5	4,412,416	137,391	0.0311	0.9689	86.19
33.5	3,597,492	58,618	0.0163	0.9837	83.51
34.5	3,108,767	174,674	0.0562	0.9438	82.15
35.5	2,816,832	116,892	0.0415	0.9585	77.53
36.5	2,379,183	274,949	0.1156	0.8844	74.31
37.5	1,861,682	21,083	0.0113	0.9887	65.73
38.5	1,818,367	17,599	0.0097	0.9903	64.98

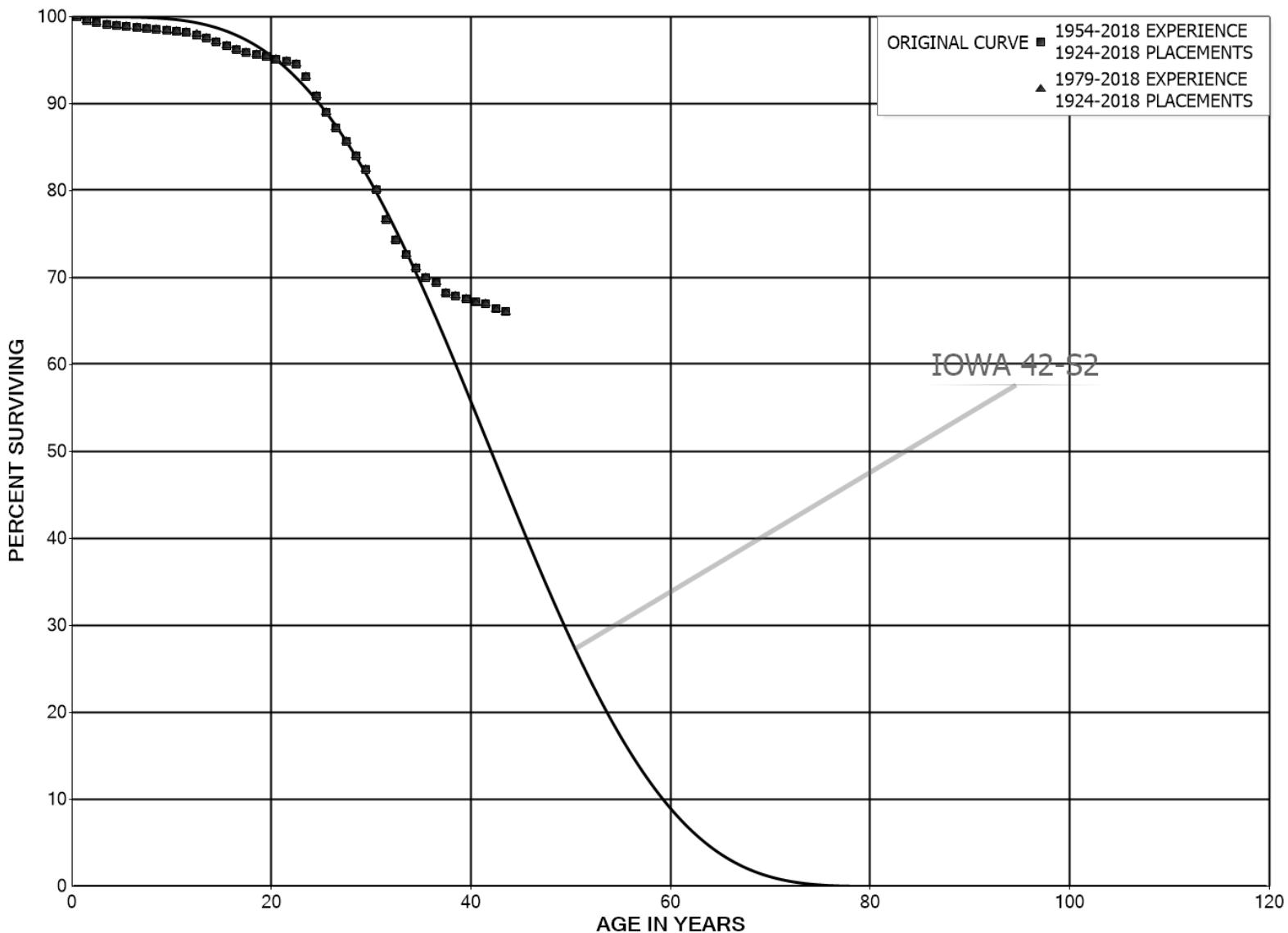
## DUKE ENERGY PROGRESS

## ACCOUNT 366 UNDERGROUND CONDUIT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1919-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,746,924	18,811	0.0108	0.9892	64.35
40.5	1,662,369	11,754	0.0071	0.9929	63.66
41.5	1,268,859	12,367	0.0097	0.9903	63.21
42.5	1,253,133	12,597	0.0101	0.9899	62.59
43.5	1,207,833	14,732	0.0122	0.9878	61.96
44.5	948,357	9,711	0.0102	0.9898	61.21
45.5	482,681	5,907	0.0122	0.9878	60.58
46.5	214,402	2,724	0.0127	0.9873	59.84
47.5	167,161	7,649	0.0458	0.9542	59.08
48.5	130,479	1,151	0.0088	0.9912	56.38
49.5	16,713	358	0.0214	0.9786	55.88
50.5	14,946	148	0.0099	0.9901	54.68
51.5	617	5	0.0084	0.9916	54.14
52.5	142	1	0.0061	0.9939	53.69
53.5	67	0.0000	1.0000	53.36	
54.5	67	0.0000	1.0000	53.36	
55.5	67	0.0000	1.0000	53.36	
56.5	67	0.0000	1.0000	53.36	
57.5	67	0.0000	1.0000	53.36	
58.5	67	0.0000	1.0000	53.36	
59.5	144	0.0000	1.0000	53.36	
60.5	144	74	0.5138	0.4862	53.36
61.5	70	0.0000	1.0000	25.94	
62.5	70	20	0.2806	0.7194	25.94
63.5	3	0.0000	1.0000	18.66	
64.5	3	0.0000	1.0000	18.66	
65.5	3	0.0000	1.0000	18.66	
66.5	3	0.0000	1.0000	18.66	
67.5	3	0.0000	1.0000	18.66	
68.5	3	0.0000	1.0000	18.66	
69.5	3	0.0000	1.0000	18.66	
70.5	3	0.0000	1.0000	18.66	
71.5	3	3	1.0000		18.66
72.5					

DUKE ENERGY PROGRESS  
ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1924-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,283,318,041	1,403,235	0.0011	0.9989	100.00
0.5	1,225,751,092	5,353,782	0.0044	0.9956	99.89
1.5	1,141,320,805	2,453,899	0.0022	0.9978	99.45
2.5	1,134,427,181	1,836,408	0.0016	0.9984	99.24
3.5	1,129,594,636	1,789,648	0.0016	0.9984	99.08
4.5	1,044,522,688	1,181,329	0.0011	0.9989	98.92
5.5	1,027,604,050	1,242,264	0.0012	0.9988	98.81
6.5	991,551,780	1,259,493	0.0013	0.9987	98.69
7.5	955,985,033	794,053	0.0008	0.9992	98.57
8.5	910,727,079	1,014,111	0.0011	0.9989	98.48
9.5	882,226,639	755,845	0.0009	0.9991	98.37
10.5	840,320,322	1,294,055	0.0015	0.9985	98.29
11.5	796,393,940	2,055,862	0.0026	0.9974	98.14
12.5	755,062,757	2,673,245	0.0035	0.9965	97.89
13.5	697,157,252	3,293,739	0.0047	0.9953	97.54
14.5	644,088,470	3,005,084	0.0047	0.9953	97.08
15.5	589,050,984	2,837,041	0.0048	0.9952	96.63
16.5	560,491,091	1,825,360	0.0033	0.9967	96.16
17.5	496,822,103	1,018,189	0.0020	0.9980	95.85
18.5	477,185,952	1,289,035	0.0027	0.9973	95.65
19.5	384,766,877	1,233,768	0.0032	0.9968	95.39
20.5	372,793,849	1,002,629	0.0027	0.9973	95.09
21.5	347,799,582	1,304,388	0.0038	0.9962	94.83
22.5	268,651,240	3,988,513	0.0148	0.9852	94.47
23.5	240,367,883	5,682,506	0.0236	0.9764	93.07
24.5	216,668,458	4,498,812	0.0208	0.9792	90.87
25.5	192,906,617	4,000,919	0.0207	0.9793	88.99
26.5	171,001,686	2,959,651	0.0173	0.9827	87.14
27.5	144,080,881	2,833,134	0.0197	0.9803	85.63
28.5	118,456,200	2,217,520	0.0187	0.9813	83.95
29.5	79,256,242	2,274,260	0.0287	0.9713	82.38
30.5	51,685,098	2,194,032	0.0424	0.9576	80.01
31.5	25,570,310	782,081	0.0306	0.9694	76.62
32.5	12,509,235	278,061	0.0222	0.9778	74.27
33.5	5,156,793	112,507	0.0218	0.9782	72.62
34.5	4,211,240	66,142	0.0157	0.9843	71.04
35.5	3,664,975	27,462	0.0075	0.9925	69.92
36.5	3,138,463	52,869	0.0168	0.9832	69.40
37.5	2,688,107	14,411	0.0054	0.9946	68.23
38.5	2,388,606	11,248	0.0047	0.9953	67.86

## DUKE ENERGY PROGRESS

## ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1924-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	2,036,833	12,460	0.0061	0.9939	67.54
40.5	1,819,148	3,465	0.0019	0.9981	67.13
41.5	1,502,865	13,459	0.0090	0.9910	67.00
42.5	1,488,467	7,738	0.0052	0.9948	66.40
43.5	1,366,441	4,478	0.0033	0.9967	66.06
44.5	1,064,787	13,740	0.0129	0.9871	65.84
45.5	1,085,495	2,885	0.0027	0.9973	64.99
46.5	991,972	1,004	0.0010	0.9990	64.82
47.5	893,341	45,208	0.0506	0.9494	64.75
48.5	717,296	28,308	0.0395	0.9605	61.48
49.5	588,350	17,176	0.0292	0.9708	59.05
50.5	527,859	3,398	0.0064	0.9936	57.33
51.5	514,742	6,039	0.0117	0.9883	56.96
52.5	495,110	12,112	0.0245	0.9755	56.29
53.5	467,815	4,885	0.0104	0.9896	54.91
54.5	462,931	302	0.0007	0.9993	54.34
55.5	462,629	1,423	0.0031	0.9969	54.30
56.5	414,267	5,693	0.0137	0.9863	54.14
57.5	229,977	7	0.0000	1.0000	53.39
58.5	229,970	2,167	0.0094	0.9906	53.39
59.5	164,012	3,792	0.0231	0.9769	52.89
60.5	52,897	2,616	0.0495	0.9505	51.66
61.5	11	6	0.5643	0.4357	49.11
62.5	5	1	0.2933	0.7067	21.40
63.5	3		0.0000	1.0000	15.12
64.5	3		0.0000	1.0000	15.12
65.5	3	3	1.0000		15.12
66.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1924-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,258,116,030	1,316,637	0.0010	0.9990	100.00
0.5	1,203,545,639	5,283,544	0.0044	0.9956	99.90
1.5	1,121,430,755	2,406,336	0.0021	0.9979	99.46
2.5	1,115,802,473	1,799,043	0.0016	0.9984	99.24
3.5	1,112,982,293	1,744,132	0.0016	0.9984	99.08
4.5	1,031,011,853	1,162,708	0.0011	0.9989	98.93
5.5	1,016,637,331	1,221,715	0.0012	0.9988	98.82
6.5	982,427,723	1,208,208	0.0012	0.9988	98.70
7.5	947,910,716	776,931	0.0008	0.9992	98.58
8.5	904,510,794	1,006,856	0.0011	0.9989	98.50
9.5	877,419,407	740,042	0.0008	0.9992	98.39
10.5	836,561,381	1,281,222	0.0015	0.9985	98.30
11.5	793,458,696	2,033,552	0.0026	0.9974	98.15
12.5	752,656,900	2,661,854	0.0035	0.9965	97.90
13.5	695,136,067	3,285,445	0.0047	0.9953	97.55
14.5	642,309,130	3,000,518	0.0047	0.9953	97.09
15.5	587,468,014	2,828,972	0.0048	0.9952	96.64
16.5	559,095,596	1,823,214	0.0033	0.9967	96.17
17.5	495,624,703	1,014,446	0.0020	0.9980	95.86
18.5	476,135,187	1,287,798	0.0027	0.9973	95.66
19.5	383,935,562	1,229,881	0.0032	0.9968	95.41
20.5	372,045,828	997,546	0.0027	0.9973	95.10
21.5	347,204,595	1,300,477	0.0037	0.9963	94.85
22.5	268,160,322	3,986,551	0.0149	0.9851	94.49
23.5	240,046,347	5,681,035	0.0237	0.9763	93.09
24.5	216,449,225	4,495,229	0.0208	0.9792	90.88
25.5	192,781,260	3,999,589	0.0207	0.9793	89.00
26.5	170,890,756	2,958,560	0.0173	0.9827	87.15
27.5	144,011,935	2,831,695	0.0197	0.9803	85.64
28.5	118,403,132	2,217,180	0.0187	0.9813	83.96
29.5	79,210,696	2,273,496	0.0287	0.9713	82.38
30.5	51,640,316	2,193,251	0.0425	0.9575	80.02
31.5	25,526,309	781,843	0.0306	0.9694	76.62
32.5	12,465,482	278,061	0.0223	0.9777	74.27
33.5	5,113,040	112,491	0.0220	0.9780	72.62
34.5	4,167,514	65,880	0.0158	0.9842	71.02
35.5	3,623,240	27,462	0.0076	0.9924	69.90
36.5	3,096,735	52,869	0.0171	0.9829	69.37
37.5	2,646,379	14,411	0.0054	0.9946	68.18
38.5	2,346,878	11,248	0.0048	0.9952	67.81

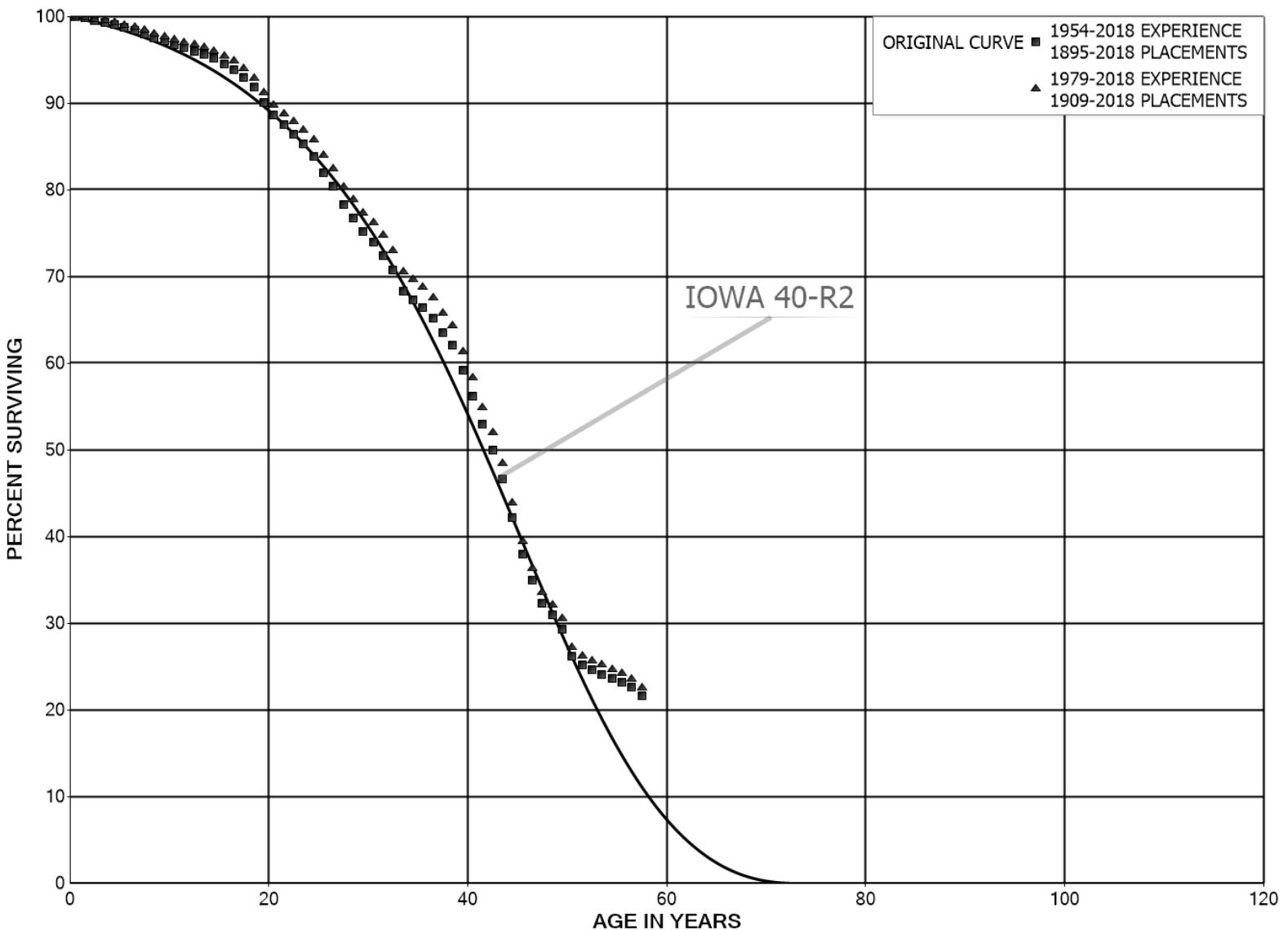
## DUKE ENERGY PROGRESS

## ACCOUNT 367 UNDERGROUND CONDUCTORS AND DEVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1924-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,995,105	12,066	0.0060	0.9940	67.49
40.5	1,782,398	3,465	0.0019	0.9981	67.08
41.5	1,476,593	13,459	0.0091	0.9909	66.95
42.5	1,463,892	7,738	0.0053	0.9947	66.34
43.5	1,341,866	4,478	0.0033	0.9967	65.99
44.5	1,040,212	13,264	0.0128	0.9872	65.77
45.5	1,061,396	2,885	0.0027	0.9973	64.93
46.5	967,873	674	0.0007	0.9993	64.75
47.5	870,959	45,208	0.0519	0.9481	64.71
48.5	700,542	28,308	0.0404	0.9596	61.35
49.5	577,332	17,176	0.0298	0.9702	58.87
50.5	526,608	3,398	0.0065	0.9935	57.12
51.5	514,537	6,039	0.0117	0.9883	56.75
52.5	495,003	12,112	0.0245	0.9755	56.08
53.5	467,708	4,885	0.0104	0.9896	54.71
54.5	462,931	302	0.0007	0.9993	54.14
55.5	462,629	1,423	0.0031	0.9969	54.10
56.5	414,267	5,693	0.0137	0.9863	53.94
57.5	229,977	7	0.0000	1.0000	53.20
58.5	229,970	2,167	0.0094	0.9906	53.19
59.5	164,012	3,792	0.0231	0.9769	52.69
60.5	52,897	2,616	0.0495	0.9505	51.48
61.5	11	6	0.5643	0.4357	48.93
62.5	5	1	0.2933	0.7067	21.32
63.5	3		0.0000	1.0000	15.07
64.5	3		0.0000	1.0000	15.07
65.5	3	3	1.0000		15.07
66.5					

DUKE ENERGY PROGRESS  
ACCOUNT 368 LINE TRANSFORMERS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1895-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,322,509,897	336,956	0.0003	0.9997	100.00
0.5	1,260,631,441	2,324,176	0.0018	0.9982	99.97
1.5	1,086,165,749	2,695,786	0.0025	0.9975	99.79
2.5	1,059,627,163	2,561,367	0.0024	0.9976	99.54
3.5	970,489,595	2,835,744	0.0029	0.9971	99.30
4.5	872,614,832	2,699,716	0.0031	0.9969	99.01
5.5	869,192,274	2,770,816	0.0032	0.9968	98.71
6.5	859,758,635	3,703,654	0.0043	0.9957	98.39
7.5	843,062,939	3,807,152	0.0045	0.9955	97.97
8.5	811,535,406	3,229,044	0.0040	0.9960	97.52
9.5	769,542,153	2,935,277	0.0038	0.9962	97.14
10.5	713,000,199	3,025,934	0.0042	0.9958	96.77
11.5	706,959,392	2,538,749	0.0036	0.9964	96.36
12.5	680,195,746	2,860,369	0.0042	0.9958	96.01
13.5	631,246,939	2,936,750	0.0047	0.9953	95.61
14.5	610,922,923	4,021,433	0.0066	0.9934	95.16
15.5	606,142,829	4,237,536	0.0070	0.9930	94.53
16.5	567,458,682	5,404,205	0.0095	0.9905	93.87
17.5	534,172,355	6,689,286	0.0125	0.9875	92.98
18.5	522,089,953	9,640,207	0.0185	0.9815	91.82
19.5	498,153,252	8,471,738	0.0170	0.9830	90.12
20.5	469,160,965	5,879,952	0.0125	0.9875	88.59
21.5	443,830,333	5,555,486	0.0125	0.9875	87.48
22.5	403,473,135	5,273,452	0.0131	0.9869	86.38
23.5	397,427,555	6,406,615	0.0161	0.9839	85.25
24.5	375,716,690	8,376,474	0.0223	0.9777	83.88
25.5	337,946,984	6,638,388	0.0196	0.9804	82.01
26.5	318,944,806	8,341,302	0.0262	0.9738	80.40
27.5	298,496,293	5,865,306	0.0196	0.9804	78.30
28.5	271,331,393	5,659,709	0.0209	0.9791	76.76
29.5	240,267,794	3,860,850	0.0161	0.9839	75.16
30.5	202,518,407	4,112,105	0.0203	0.9797	73.95
31.5	170,578,356	4,074,442	0.0239	0.9761	72.45
32.5	143,489,290	5,010,183	0.0349	0.9651	70.72
33.5	120,856,242	1,672,807	0.0138	0.9862	68.25
34.5	106,361,316	1,378,978	0.0130	0.9870	67.30
35.5	96,510,662	1,743,347	0.0181	0.9819	66.43
36.5	86,343,017	2,301,385	0.0267	0.9733	65.23
37.5	80,274,192	1,856,273	0.0231	0.9769	63.49
38.5	73,912,446	3,394,247	0.0459	0.9541	62.02

## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1895-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	65,072,317	3,311,822	0.0509	0.9491	59.17
40.5	56,744,931	3,298,351	0.0581	0.9419	56.16
41.5	49,449,284	2,704,857	0.0547	0.9453	52.90
42.5	45,964,370	3,111,766	0.0677	0.9323	50.00
43.5	42,620,810	4,039,098	0.0948	0.9052	46.62
44.5	34,687,120	3,523,156	0.1016	0.8984	42.20
45.5	26,615,106	2,098,954	0.0789	0.9211	37.92
46.5	21,591,221	1,616,959	0.0749	0.9251	34.92
47.5	17,960,896	781,575	0.0435	0.9565	32.31
48.5	13,442,743	687,560	0.0511	0.9489	30.90
49.5	9,898,850	1,064,883	0.1076	0.8924	29.32
50.5	7,479,081	289,898	0.0388	0.9612	26.17
51.5	6,085,213	134,977	0.0222	0.9778	25.15
52.5	5,076,324	99,617	0.0196	0.9804	24.60
53.5	4,221,547	84,161	0.0199	0.9801	24.11
54.5	3,411,955	66,863	0.0196	0.9804	23.63
55.5	2,845,432	72,178	0.0254	0.9746	23.17
56.5	2,458,105	101,893	0.0415	0.9585	22.58
57.5	2,034,687	47,731	0.0235	0.9765	21.65
58.5	1,785,108	15,305	0.0086	0.9914	21.14
59.5	1,522,198	42,306	0.0278	0.9722	20.96
60.5	1,346,736	40,049	0.0297	0.9703	20.37
61.5	1,061,844	14,096	0.0133	0.9867	19.77
62.5	877,126	12,684	0.0145	0.9855	19.51
63.5	639,368	20,611	0.0322	0.9678	19.22
64.5	446,254	8,484	0.0190	0.9810	18.60
65.5	262,297	8,635	0.0329	0.9671	18.25
66.5	212,864	8,260	0.0388	0.9612	17.65
67.5	162,712	25,404	0.1561	0.8439	16.96
68.5	98,628	10,266	0.1041	0.8959	14.32
69.5	82,318	9,609	0.1167	0.8833	12.83
70.5	64,013	9,518	0.1487	0.8513	11.33
71.5	54,495		0.0000	1.0000	9.64
72.5	54,495		0.0000	1.0000	9.64
73.5	54,495		0.0000	1.0000	9.64
74.5	54,495	9,706	0.1781	0.8219	9.64
75.5	44,789	19,648	0.4387	0.5613	7.93
76.5	25,141		0.0000	1.0000	4.45
77.5	25,141	1,144	0.0455	0.9545	4.45
78.5	23,997		0.0000	1.0000	4.25

## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1895-2018		EXPERIENCE BAND 1954-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	23,997		0.0000	1.0000	4.25
80.5	23,997		0.0000	1.0000	4.25
81.5	23,997	1,026	0.0428	0.9572	4.25
82.5	22,971		0.0000	1.0000	4.07
83.5	22,971	1,092	0.0475	0.9525	4.07
84.5	21,879		0.0000	1.0000	3.87
85.5	21,879		0.0000	1.0000	3.87
86.5	21,879	21,879	1.0000	0.0000	3.87
87.5	0		0.0000	1.0000	0.00
88.5	0		0.0000	1.0000	0.00
89.5	0		0.0000	1.0000	0.00
90.5	0		0.0000	1.0000	0.00
91.5	0		0.0000	1.0000	0.00
92.5	0		0.0000	1.0000	0.00
93.5	0		0.0000	1.0000	0.00
94.5	0		0.0000	1.0000	0.00
95.5	0		0.0000	1.0000	0.00
96.5	0	0	1.0000		0.00
97.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1909-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	1,187,437,869	171,937	0.0001	0.9999	100.00
0.5	1,135,023,564	1,639,282	0.0014	0.9986	99.99
1.5	967,903,061	1,816,311	0.0019	0.9981	99.84
2.5	948,106,432	1,732,494	0.0018	0.9982	99.65
3.5	860,935,547	1,991,037	0.0023	0.9977	99.47
4.5	770,099,538	1,884,187	0.0024	0.9976	99.24
5.5	773,618,915	2,043,730	0.0026	0.9974	99.00
6.5	770,626,786	2,989,713	0.0039	0.9961	98.74
7.5	760,758,567	3,067,279	0.0040	0.9960	98.35
8.5	739,305,828	2,537,058	0.0034	0.9966	97.96
9.5	705,560,777	2,242,604	0.0032	0.9968	97.62
10.5	655,451,458	2,313,469	0.0035	0.9965	97.31
11.5	656,064,364	1,864,863	0.0028	0.9972	96.97
12.5	634,191,150	2,192,949	0.0035	0.9965	96.69
13.5	589,473,194	2,222,708	0.0038	0.9962	96.36
14.5	572,485,226	3,318,757	0.0058	0.9942	95.99
15.5	570,769,257	3,637,401	0.0064	0.9936	95.44
16.5	534,418,717	4,742,571	0.0089	0.9911	94.83
17.5	503,589,370	5,928,706	0.0118	0.9882	93.99
18.5	494,416,364	8,835,074	0.0179	0.9821	92.88
19.5	477,369,554	7,593,600	0.0159	0.9841	91.22
20.5	450,195,493	4,970,138	0.0110	0.9890	89.77
21.5	427,347,710	4,588,584	0.0107	0.9893	88.78
22.5	389,247,477	4,333,309	0.0111	0.9889	87.83
23.5	385,586,883	5,157,428	0.0134	0.9866	86.85
24.5	366,253,969	7,190,342	0.0196	0.9804	85.69
25.5	330,867,721	6,264,904	0.0189	0.9811	84.00
26.5	312,749,628	7,941,681	0.0254	0.9746	82.41
27.5	293,879,146	5,442,798	0.0185	0.9815	80.32
28.5	267,850,587	5,255,270	0.0196	0.9804	78.83
29.5	237,382,150	3,502,364	0.0148	0.9852	77.29
30.5	200,449,316	3,643,007	0.0182	0.9818	76.15
31.5	168,977,229	3,972,993	0.0235	0.9765	74.76
32.5	141,992,981	4,850,969	0.0342	0.9658	73.01
33.5	119,467,108	1,528,739	0.0128	0.9872	70.51
34.5	105,076,332	1,295,546	0.0123	0.9877	69.61
35.5	95,283,906	1,690,398	0.0177	0.9823	68.75
36.5	85,136,071	2,241,300	0.0263	0.9737	67.53
37.5	79,086,953	1,775,471	0.0224	0.9776	65.75
38.5	72,790,500	3,336,427	0.0458	0.9542	64.28

## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE, CONT.

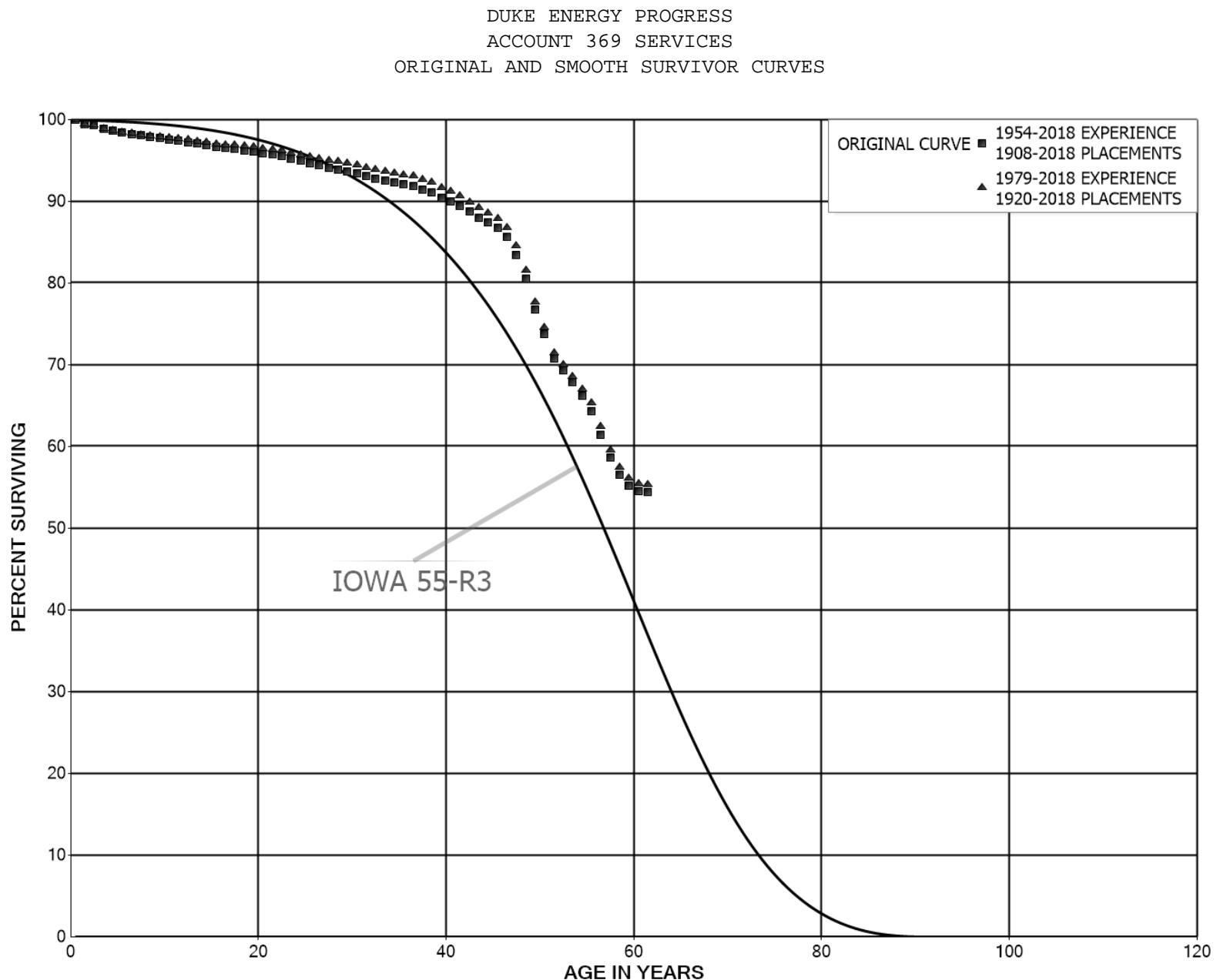
PLACEMENT BAND 1909-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	64,029,436	3,224,141	0.0504	0.9496	61.33
40.5	55,788,699	3,225,246	0.0578	0.9422	58.24
41.5	48,638,356	2,633,132	0.0541	0.9459	54.88
42.5	45,292,646	3,040,522	0.0671	0.9329	51.90
43.5	42,069,017	3,975,259	0.0945	0.9055	48.42
44.5	34,206,335	3,473,928	0.1016	0.8984	43.84
45.5	26,184,422	2,073,703	0.0792	0.9208	39.39
46.5	21,189,989	1,591,924	0.0751	0.9249	36.27
47.5	17,594,974	755,394	0.0429	0.9571	33.55
48.5	13,118,407	669,857	0.0511	0.9489	32.11
49.5	9,659,653	1,039,817	0.1076	0.8924	30.47
50.5	7,281,547	268,849	0.0369	0.9631	27.19
51.5	5,931,361	121,918	0.0206	0.9794	26.18
52.5	4,948,444	92,886	0.0188	0.9812	25.65
53.5	4,114,928	82,567	0.0201	0.9799	25.16
54.5	3,314,546	65,971	0.0199	0.9801	24.66
55.5	2,787,996	70,864	0.0254	0.9746	24.17
56.5	2,402,338	101,634	0.0423	0.9577	23.55
57.5	1,987,613	47,645	0.0240	0.9760	22.56
58.5	1,739,321	15,093	0.0087	0.9913	22.02
59.5	1,478,733	42,043	0.0284	0.9716	21.83
60.5	1,303,697	40,049	0.0307	0.9693	21.21
61.5	1,024,791	14,096	0.0138	0.9862	20.55
62.5	869,197	12,684	0.0146	0.9854	20.27
63.5	633,567	20,611	0.0325	0.9675	19.98
64.5	445,926	8,157	0.0183	0.9817	19.33
65.5	262,297	8,635	0.0329	0.9671	18.97
66.5	212,864	8,260	0.0388	0.9612	18.35
67.5	162,712	25,404	0.1561	0.8439	17.64
68.5	98,628	10,266	0.1041	0.8959	14.88
69.5	82,318	9,609	0.1167	0.8833	13.33
70.5	64,013	9,518	0.1487	0.8513	11.78
71.5	54,495		0.0000	1.0000	10.03
72.5	54,495		0.0000	1.0000	10.03
73.5	54,495		0.0000	1.0000	10.03
74.5	54,495	9,706	0.1781	0.8219	10.03
75.5	44,789	19,648	0.4387	0.5613	8.24
76.5	25,141		0.0000	1.0000	4.63
77.5	25,141	1,144	0.0455	0.9545	4.63
78.5	23,997		0.0000	1.0000	4.41

## DUKE ENERGY PROGRESS

## ACCOUNT 368 LINE TRANSFORMERS

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	23,997		0.0000	1.0000	4.41
80.5	23,997		0.0000	1.0000	4.41
81.5	23,997	1,026	0.0428	0.9572	4.41
82.5	22,971		0.0000	1.0000	4.23
83.5	22,971	1,092	0.0475	0.9525	4.23
84.5	21,879		0.0000	1.0000	4.03
85.5	21,879		0.0000	1.0000	4.03
86.5	21,879	21,879	1.0000	0.0000	4.03
87.5	0		0.0000	1.0000	0.00
88.5	0		0.0000	1.0000	0.00
89.5	0		0.0000	1.0000	0.00
90.5	0		0.0000	1.0000	0.00
91.5	0		0.0000	1.0000	0.00
92.5	0		0.0000	1.0000	0.00
93.5	0		0.0000	1.0000	0.00
94.5	0		0.0000	1.0000	0.00
95.5	0		0.0000	1.0000	0.00
96.5	0	0	1.0000		0.00
97.5					



## DUKE ENERGY PROGRESS

## ACCOUNT 369 SERVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1908-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	727,374,944	748,075	0.0010	0.9990	100.00
0.5	687,575,540	3,096,939	0.0045	0.9955	99.90
1.5	634,330,417	1,376,132	0.0022	0.9978	99.45
2.5	637,182,553	2,520,212	0.0040	0.9960	99.23
3.5	635,130,601	1,515,318	0.0024	0.9976	98.84
4.5	576,369,210	1,409,555	0.0024	0.9976	98.60
5.5	573,404,989	1,107,592	0.0019	0.9981	98.36
6.5	561,968,280	871,663	0.0016	0.9984	98.17
7.5	555,774,974	852,835	0.0015	0.9985	98.02
8.5	541,861,492	849,558	0.0016	0.9984	97.87
9.5	528,340,935	990,134	0.0019	0.9981	97.72
10.5	508,775,974	833,998	0.0016	0.9984	97.53
11.5	484,349,639	782,453	0.0016	0.9984	97.37
12.5	464,306,807	822,178	0.0018	0.9982	97.22
13.5	441,064,024	944,199	0.0021	0.9979	97.04
14.5	416,116,710	853,580	0.0021	0.9979	96.84
15.5	390,092,735	641,129	0.0016	0.9984	96.64
16.5	381,177,194	524,571	0.0014	0.9986	96.48
17.5	343,873,726	549,272	0.0016	0.9984	96.35
18.5	337,399,013	570,426	0.0017	0.9983	96.19
19.5	288,491,109	536,205	0.0019	0.9981	96.03
20.5	285,845,452	484,000	0.0017	0.9983	95.85
21.5	271,790,669	527,420	0.0019	0.9981	95.69
22.5	220,582,599	755,977	0.0034	0.9966	95.50
23.5	201,270,632	564,725	0.0028	0.9972	95.18
24.5	183,089,322	562,839	0.0031	0.9969	94.91
25.5	167,015,622	449,265	0.0027	0.9973	94.62
26.5	151,680,733	407,018	0.0027	0.9973	94.36
27.5	137,734,675	339,739	0.0025	0.9975	94.11
28.5	122,375,851	337,071	0.0028	0.9972	93.88
29.5	106,287,000	286,725	0.0027	0.9973	93.62
30.5	90,572,007	300,866	0.0033	0.9967	93.37
31.5	77,839,032	241,919	0.0031	0.9969	93.06
32.5	68,175,439	183,225	0.0027	0.9973	92.77
33.5	61,050,683	165,971	0.0027	0.9973	92.52
34.5	54,412,216	149,246	0.0027	0.9973	92.27
35.5	48,931,982	87,115	0.0018	0.9982	92.01
36.5	45,256,206	203,827	0.0045	0.9955	91.85
37.5	41,348,103	149,640	0.0036	0.9964	91.43
38.5	38,778,544	304,310	0.0078	0.9922	91.10

## DUKE ENERGY PROGRESS

## ACCOUNT 369 SERVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1908-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	35,326,211	180,130	0.0051	0.9949	90.39
40.5	32,323,372	186,754	0.0058	0.9942	89.93
41.5	23,175,541	190,448	0.0082	0.9918	89.41
42.5	22,090,096	173,980	0.0079	0.9921	88.67
43.5	21,098,604	143,191	0.0068	0.9932	87.98
44.5	19,194,259	137,473	0.0072	0.9928	87.38
45.5	16,959,649	219,086	0.0129	0.9871	86.75
46.5	15,054,066	385,810	0.0256	0.9744	85.63
47.5	13,149,962	454,272	0.0345	0.9655	83.44
48.5	11,999,656	570,521	0.0475	0.9525	80.55
49.5	9,819,241	385,351	0.0392	0.9608	76.72
50.5	8,279,474	336,169	0.0406	0.9594	73.71
51.5	6,754,088	134,054	0.0198	0.9802	70.72
52.5	5,476,119	114,429	0.0209	0.9791	69.32
53.5	4,701,149	117,855	0.0251	0.9749	67.87
54.5	3,819,689	109,387	0.0286	0.9714	66.17
55.5	3,088,196	139,628	0.0452	0.9548	64.27
56.5	2,625,912	119,945	0.0457	0.9543	61.37
57.5	2,177,924	78,216	0.0359	0.9641	58.56
58.5	2,070,556	49,128	0.0237	0.9763	56.46
59.5	1,842,160	21,883	0.0119	0.9881	55.12
60.5	1,695,474	1,147	0.0007	0.9993	54.47
61.5	1,434,453	2,376	0.0017	0.9983	54.43
62.5	1,171,350	18,467	0.0158	0.9842	54.34
63.5	882,012	10,368	0.0118	0.9882	53.48
64.5	635,521	19,805	0.0312	0.9688	52.85
65.5	323,152	11,654	0.0361	0.9639	51.21
66.5	136,510	15,841	0.1160	0.8840	49.36
67.5	7,463	5,230	0.7008	0.2992	43.63
68.5	2,233	1,730	0.7746	0.2254	13.05
69.5	503		0.0000	1.0000	2.94
70.5	503	447	0.8878	0.1122	2.94
71.5	56		0.0000	1.0000	0.33
72.5	56		0.0000	1.0000	0.33
73.5	56		0.0000	1.0000	0.33
74.5	56		0.0000	1.0000	0.33
75.5	56		0.0000	1.0000	0.33
76.5	56		0.0000	1.0000	0.33
77.5	56	56	1.0000		0.33
78.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 369 SERVICES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1920-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	684,118,684	685,511	0.0010	0.9990	100.00
0.5	648,595,642	2,941,259	0.0045	0.9955	99.90
1.5	598,523,131	1,219,835	0.0020	0.9980	99.45
2.5	602,838,600	2,375,552	0.0039	0.9961	99.24
3.5	601,834,903	1,374,477	0.0023	0.9977	98.85
4.5	546,263,742	1,249,487	0.0023	0.9977	98.63
5.5	546,975,666	929,481	0.0017	0.9983	98.40
6.5	538,655,920	680,622	0.0013	0.9987	98.23
7.5	535,230,767	648,481	0.0012	0.9988	98.11
8.5	523,352,928	650,338	0.0012	0.9988	97.99
9.5	512,098,866	792,126	0.0015	0.9985	97.87
10.5	494,127,812	628,036	0.0013	0.9987	97.72
11.5	471,198,258	590,335	0.0013	0.9987	97.59
12.5	452,577,735	624,872	0.0014	0.9986	97.47
13.5	430,291,850	754,675	0.0018	0.9982	97.34
14.5	406,319,818	668,186	0.0016	0.9984	97.17
15.5	381,089,908	467,029	0.0012	0.9988	97.01
16.5	372,803,599	361,920	0.0010	0.9990	96.89
17.5	336,222,001	377,812	0.0011	0.9989	96.79
18.5	330,111,110	417,596	0.0013	0.9987	96.69
19.5	281,981,936	395,345	0.0014	0.9986	96.56
20.5	279,681,774	357,937	0.0013	0.9987	96.43
21.5	266,149,972	419,652	0.0016	0.9984	96.30
22.5	215,452,776	641,357	0.0030	0.9970	96.15
23.5	196,678,768	430,881	0.0022	0.9978	95.87
24.5	179,001,288	438,803	0.0025	0.9975	95.66
25.5	163,502,896	369,416	0.0023	0.9977	95.42
26.5	148,524,967	315,545	0.0021	0.9979	95.21
27.5	135,059,660	285,325	0.0021	0.9979	95.00
28.5	120,594,355	288,805	0.0024	0.9976	94.80
29.5	104,580,996	239,038	0.0023	0.9977	94.58
30.5	88,945,916	234,261	0.0026	0.9974	94.36
31.5	76,298,928	206,518	0.0027	0.9973	94.11
32.5	66,663,076	163,183	0.0024	0.9976	93.86
33.5	59,559,528	143,519	0.0024	0.9976	93.63
34.5	53,015,841	131,002	0.0025	0.9975	93.40
35.5	47,661,704	68,426	0.0014	0.9986	93.17
36.5	44,114,261	186,594	0.0042	0.9958	93.04
37.5	40,328,788	138,818	0.0034	0.9966	92.64
38.5	37,866,914	295,460	0.0078	0.9922	92.32

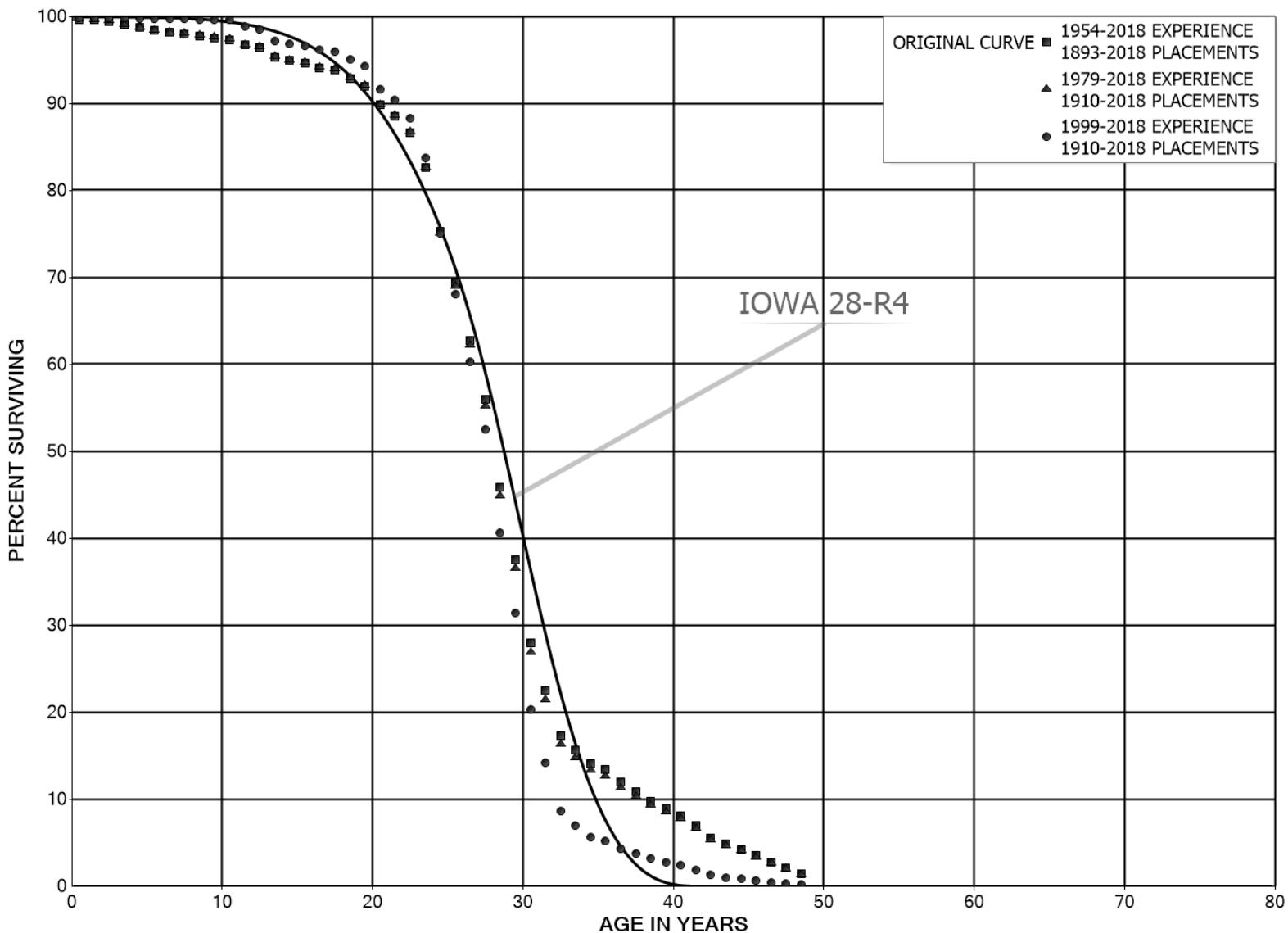
## DUKE ENERGY PROGRESS

## ACCOUNT 369 SERVICES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1920-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	34,510,217	173,954	0.0050	0.9950	91.60
40.5	31,594,893	181,454	0.0057	0.9943	91.14
41.5	22,522,409	188,777	0.0084	0.9916	90.62
42.5	21,499,667	170,897	0.0079	0.9921	89.86
43.5	20,563,437	140,952	0.0069	0.9931	89.14
44.5	18,708,176	136,413	0.0073	0.9927	88.53
45.5	16,516,531	217,323	0.0132	0.9868	87.89
46.5	14,654,228	378,758	0.0258	0.9742	86.73
47.5	12,796,861	449,220	0.0351	0.9649	84.49
48.5	11,693,084	561,812	0.0480	0.9520	81.52
49.5	9,561,117	384,937	0.0403	0.9597	77.61
50.5	8,060,138	333,728	0.0414	0.9586	74.48
51.5	6,576,065	133,984	0.0204	0.9796	71.40
52.5	5,350,051	111,986	0.0209	0.9791	69.94
53.5	4,605,848	102,932	0.0223	0.9777	68.48
54.5	3,765,030	93,676	0.0249	0.9751	66.95
55.5	3,067,579	137,082	0.0447	0.9553	65.28
56.5	2,618,799	119,904	0.0458	0.9542	62.37
57.5	2,175,437	77,248	0.0355	0.9645	59.51
58.5	2,070,556	49,128	0.0237	0.9763	57.40
59.5	1,842,160	21,883	0.0119	0.9881	56.04
60.5	1,695,474	1,147	0.0007	0.9993	55.37
61.5	1,434,453	2,376	0.0017	0.9983	55.33
62.5	1,171,350	18,467	0.0158	0.9842	55.24
63.5	882,012	10,368	0.0118	0.9882	54.37
64.5	635,521	19,805	0.0312	0.9688	53.73
65.5	323,152	11,654	0.0361	0.9639	52.06
66.5	136,510	15,841	0.1160	0.8840	50.18
67.5	7,463	5,230	0.7008	0.2992	44.36
68.5	2,233	1,730	0.7746	0.2254	13.27
69.5	503		0.0000	1.0000	2.99
70.5	503	447	0.8878	0.1122	2.99
71.5	56		0.0000	1.0000	0.34
72.5	56		0.0000	1.0000	0.34
73.5	56		0.0000	1.0000	0.34
74.5	56		0.0000	1.0000	0.34
75.5	56		0.0000	1.0000	0.34
76.5	56		0.0000	1.0000	0.34
77.5	56	56	1.0000		0.34
78.5					

DUKE ENERGY PROGRESS  
ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1893-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	325,819,431	1,099,631	0.0034	0.9966	100.00
0.5	311,769,196	202,024	0.0006	0.9994	99.66
1.5	291,898,036	579,326	0.0020	0.9980	99.60
2.5	290,440,050	1,032,981	0.0036	0.9964	99.40
3.5	290,644,032	932,893	0.0032	0.9968	99.05
4.5	288,422,376	1,041,857	0.0036	0.9964	98.73
5.5	287,305,611	631,044	0.0022	0.9978	98.37
6.5	277,641,975	571,843	0.0021	0.9979	98.16
7.5	270,397,475	608,395	0.0023	0.9977	97.95
8.5	265,525,460	624,651	0.0024	0.9976	97.73
9.5	260,426,739	476,293	0.0018	0.9982	97.50
10.5	250,574,217	1,615,757	0.0064	0.9936	97.33
11.5	244,356,505	813,899	0.0033	0.9967	96.70
12.5	243,709,992	2,657,005	0.0109	0.9891	96.38
13.5	177,892,363	716,725	0.0040	0.9960	95.32
14.5	173,670,490	583,336	0.0034	0.9966	94.94
15.5	170,308,477	911,309	0.0054	0.9946	94.62
16.5	164,567,738	564,018	0.0034	0.9966	94.12
17.5	163,854,837	1,707,936	0.0104	0.9896	93.79
18.5	159,435,522	1,463,033	0.0092	0.9908	92.82
19.5	154,663,461	3,655,696	0.0236	0.9764	91.96
20.5	139,463,467	2,005,903	0.0144	0.9856	89.79
21.5	134,258,417	2,822,132	0.0210	0.9790	88.50
22.5	126,679,778	5,887,543	0.0465	0.9535	86.64
23.5	119,432,638	10,654,557	0.0892	0.9108	82.61
24.5	105,440,844	8,209,043	0.0779	0.9221	75.24
25.5	95,211,832	9,066,808	0.0952	0.9048	69.38
26.5	84,112,646	9,158,610	0.1089	0.8911	62.78
27.5	73,607,768	13,302,228	0.1807	0.8193	55.94
28.5	58,627,862	10,677,556	0.1821	0.8179	45.83
29.5	46,704,744	11,949,076	0.2558	0.7442	37.48
30.5	33,245,263	6,465,060	0.1945	0.8055	27.89
31.5	25,888,639	5,939,744	0.2294	0.7706	22.47
32.5	19,455,341	1,893,506	0.0973	0.9027	17.31
33.5	17,558,190	1,708,754	0.0973	0.9027	15.63
34.5	15,674,580	777,343	0.0496	0.9504	14.11
35.5	14,806,695	1,579,452	0.1067	0.8933	13.41
36.5	13,238,517	1,265,311	0.0956	0.9044	11.98
37.5	11,920,778	1,174,632	0.0985	0.9015	10.83
38.5	10,727,813	954,570	0.0890	0.9110	9.77

## DUKE ENERGY PROGRESS

## ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1893-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	9,720,600	920,804	0.0947	0.9053	8.90
40.5	8,704,104	1,178,079	0.1353	0.8647	8.05
41.5	7,475,018	1,574,220	0.2106	0.7894	6.96
42.5	5,881,413	767,031	0.1304	0.8696	5.50
43.5	5,109,270	621,700	0.1217	0.8783	4.78
44.5	4,487,791	797,381	0.1777	0.8223	4.20
45.5	3,672,192	741,552	0.2019	0.7981	3.45
46.5	2,930,809	732,857	0.2501	0.7499	2.76
47.5	2,198,125	769,671	0.3501	0.6499	2.07
48.5	1,428,525	606,091	0.4243	0.5757	1.34
49.5	820,681	158,908	0.1936	0.8064	0.77
50.5	661,780	196,235	0.2965	0.7035	0.62
51.5	465,569	131,477	0.2824	0.7176	0.44
52.5	334,109	241,183	0.7219	0.2781	0.31
53.5	92,926	65,205	0.7017	0.2983	0.09
54.5	27,721	346	0.0125	0.9875	0.03
55.5	27,375	1,313	0.0480	0.9520	0.03
56.5	26,062	34	0.0013	0.9987	0.02
57.5	26,028	165	0.0063	0.9937	0.02
58.5	25,863		0.0000	1.0000	0.02
59.5	25,863	872	0.0337	0.9663	0.02
60.5	24,998	849	0.0339	0.9661	0.02
61.5	24,149	14,283	0.5914	0.4086	0.02
62.5	9,867	168	0.0170	0.9830	0.01
63.5	9,699	7,531	0.7765	0.2235	0.01
64.5	2,168		0.0000	1.0000	0.00
65.5	2,168	199	0.0919	0.9081	0.00
66.5	1,969		0.0000	1.0000	0.00
67.5	1,969		0.0000	1.0000	0.00
68.5	1,969	23	0.0114	0.9886	0.00
69.5	1,946	935	0.4802	0.5198	0.00
70.5	1,012		0.0000	1.0000	0.00
71.5	1,012	935	0.9244	0.0756	0.00
72.5	76		0.0000	1.0000	0.00
73.5	76	14	0.1788	0.8212	0.00
74.5	63	7	0.1069	0.8931	0.00
75.5	56	13	0.2397	0.7603	0.00
76.5	43	7	0.1574	0.8426	0.00
77.5	36	13	0.3741	0.6259	0.00
78.5	22		0.0000	1.0000	0.00

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1893-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	22		0.0000	1.0000	0.00
80.5	22	7	0.3290	0.6710	0.00
81.5	15		0.0000	1.0000	0.00
82.5	15		0.0000	1.0000	0.00
83.5	15		0.0000	1.0000	0.00
84.5	15		0.0000	1.0000	0.00
85.5	15		0.0000	1.0000	0.00
86.5	15	5	0.3313	0.6687	0.00
87.5	10	5	0.4955	0.5045	0.00
88.5	5		0.0000	1.0000	0.00
89.5	5		0.0000	1.0000	0.00
90.5	5		0.0000	1.0000	0.00
91.5	5		0.0000	1.0000	0.00
92.5	5	5	1.0000		0.00
93.5					

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	292,835,050	893,901	0.0031	0.9969	100.00
0.5	281,760,471	111,626	0.0004	0.9996	99.69
1.5	264,145,804	498,787	0.0019	0.9981	99.66
2.5	265,517,382	968,557	0.0036	0.9964	99.47
3.5	265,123,497	872,682	0.0033	0.9967	99.10
4.5	264,592,754	973,923	0.0037	0.9963	98.78
5.5	264,992,110	569,882	0.0022	0.9978	98.41
6.5	256,711,565	486,257	0.0019	0.9981	98.20
7.5	250,781,694	547,837	0.0022	0.9978	98.02
8.5	247,151,564	563,268	0.0023	0.9977	97.80
9.5	243,006,480	417,606	0.0017	0.9983	97.58
10.5	234,175,102	1,551,712	0.0066	0.9934	97.41
11.5	228,785,754	747,102	0.0033	0.9967	96.77
12.5	228,861,431	2,569,967	0.0112	0.9888	96.45
13.5	163,750,861	620,084	0.0038	0.9962	95.37
14.5	160,674,466	493,495	0.0031	0.9969	95.01
15.5	158,248,807	822,700	0.0052	0.9948	94.71
16.5	153,231,346	473,147	0.0031	0.9969	94.22
17.5	153,276,253	1,601,685	0.0104	0.9896	93.93
18.5	149,509,964	1,370,788	0.0092	0.9908	92.95
19.5	146,975,604	3,524,814	0.0240	0.9760	92.10
20.5	132,408,961	1,892,939	0.0143	0.9857	89.89
21.5	127,808,515	2,689,454	0.0210	0.9790	88.60
22.5	120,855,814	5,745,842	0.0475	0.9525	86.74
23.5	114,174,671	10,491,241	0.0919	0.9081	82.62
24.5	100,707,564	8,098,636	0.0804	0.9196	75.02
25.5	90,930,770	8,969,556	0.0986	0.9014	68.99
26.5	80,294,686	9,025,389	0.1124	0.8876	62.19
27.5	70,374,548	13,184,386	0.1873	0.8127	55.20
28.5	56,605,062	10,552,021	0.1864	0.8136	44.85
29.5	44,894,277	11,884,479	0.2647	0.7353	36.49
30.5	31,652,379	6,404,647	0.2023	0.7977	26.83
31.5	24,476,931	5,800,022	0.2370	0.7630	21.40
32.5	18,265,780	1,796,240	0.0983	0.9017	16.33
33.5	16,495,710	1,612,719	0.0978	0.9022	14.73
34.5	14,766,183	687,779	0.0466	0.9534	13.29
35.5	14,050,042	1,492,356	0.1062	0.8938	12.67
36.5	12,619,016	1,194,392	0.0947	0.9053	11.32
37.5	11,438,929	1,108,414	0.0969	0.9031	10.25
38.5	10,369,467	892,972	0.0861	0.9139	9.26

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	9,493,318	877,185	0.0924	0.9076	8.46
40.5	8,577,247	1,140,360	0.1330	0.8670	7.68
41.5	7,430,882	1,564,217	0.2105	0.7895	6.66
42.5	5,852,518	757,627	0.1295	0.8705	5.26
43.5	5,090,216	615,379	0.1209	0.8791	4.58
44.5	4,474,933	792,376	0.1771	0.8229	4.02
45.5	3,664,112	737,884	0.2014	0.7986	3.31
46.5	2,926,228	731,131	0.2499	0.7501	2.64
47.5	2,195,097	768,454	0.3501	0.6499	1.98
48.5	1,426,643	605,406	0.4244	0.5756	1.29
49.5	819,468	158,511	0.1934	0.8066	0.74
50.5	660,964	195,985	0.2965	0.7035	0.60
51.5	464,992	131,342	0.2825	0.7175	0.42
52.5	333,656	241,077	0.7225	0.2775	0.30
53.5	92,593	65,086	0.7029	0.2971	0.08
54.5	27,508	312	0.0113	0.9887	0.02
55.5	27,196	1,234	0.0454	0.9546	0.02
56.5	25,969	9	0.0003	0.9997	0.02
57.5	25,961	137	0.0053	0.9947	0.02
58.5	25,824		0.0000	1.0000	0.02
59.5	25,824	872	0.0338	0.9662	0.02
60.5	24,952	834	0.0334	0.9666	0.02
61.5	24,117	14,283	0.5922	0.4078	0.02
62.5	9,839	151	0.0153	0.9847	0.01
63.5	9,694	7,531	0.7769	0.2231	0.01
64.5	2,163		0.0000	1.0000	0.00
65.5	2,163	199	0.0921	0.9079	0.00
66.5	1,964		0.0000	1.0000	0.00
67.5	1,964		0.0000	1.0000	0.00
68.5	1,969	23	0.0114	0.9886	0.00
69.5	1,946	935	0.4802	0.5198	0.00
70.5	1,012		0.0000	1.0000	0.00
71.5	1,012	935	0.9244	0.0756	0.00
72.5	76		0.0000	1.0000	0.00
73.5	76	14	0.1788	0.8212	0.00
74.5	63	7	0.1069	0.8931	0.00
75.5	56	13	0.2397	0.7603	0.00
76.5	43	7	0.1574	0.8426	0.00
77.5	36	13	0.3741	0.6259	0.00
78.5	22		0.0000	1.0000	0.00

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	22		0.0000	1.0000	0.00
80.5	22	7	0.3290	0.6710	0.00
81.5	15		0.0000	1.0000	0.00
82.5	15		0.0000	1.0000	0.00
83.5	15		0.0000	1.0000	0.00
84.5	15		0.0000	1.0000	0.00
85.5	15		0.0000	1.0000	0.00
86.5	15	5	0.3313	0.6687	0.00
87.5	10	5	0.4955	0.5045	0.00
88.5	5		0.0000	1.0000	0.00
89.5	5		0.0000	1.0000	0.00
90.5	5		0.0000	1.0000	0.00
91.5	5		0.0000	1.0000	0.00
92.5	5	5	1.0000		0.00
93.5					

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1910-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1999-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	166,118,480	333,824	0.0020	0.9980	100.00
0.5	167,044,611		0.0000	1.0000	99.80
1.5	151,047,937		0.0000	1.0000	99.80
2.5	156,197,754	10,753	0.0001	0.9999	99.80
3.5	157,559,122	57,273	0.0004	0.9996	99.79
4.5	161,645,072		0.0000	1.0000	99.76
5.5	164,810,838		0.0000	1.0000	99.76
6.5	159,784,592	55,511	0.0003	0.9997	99.76
7.5	154,693,595	102,185	0.0007	0.9993	99.72
8.5	155,807,851	45,507	0.0003	0.9997	99.66
9.5	157,075,911	82	0.0000	1.0000	99.63
10.5	159,970,092	1,246,400	0.0078	0.9922	99.63
11.5	163,803,243	518,671	0.0032	0.9968	98.85
12.5	171,726,107	2,382,272	0.0139	0.9861	98.54
13.5	113,730,748	389,346	0.0034	0.9966	97.17
14.5	118,284,618	226,634	0.0019	0.9981	96.84
15.5	119,591,537	569,082	0.0048	0.9952	96.65
16.5	117,688,067	245,233	0.0021	0.9979	96.19
17.5	121,001,143	1,169,788	0.0097	0.9903	95.99
18.5	120,483,804	1,009,314	0.0084	0.9916	95.06
19.5	119,356,585	3,290,997	0.0276	0.9724	94.27
20.5	107,226,940	1,545,227	0.0144	0.9856	91.67
21.5	106,948,345	2,378,112	0.0222	0.9778	90.35
22.5	103,026,378	5,408,901	0.0525	0.9475	88.34
23.5	96,367,011	9,988,844	0.1037	0.8963	83.70
24.5	83,385,144	7,742,631	0.0929	0.9071	75.02
25.5	75,291,629	8,547,600	0.1135	0.8865	68.06
26.5	66,175,693	8,584,480	0.1297	0.8703	60.33
27.5	56,827,791	12,849,408	0.2261	0.7739	52.51
28.5	43,509,283	9,839,290	0.2261	0.7739	40.63
29.5	33,253,474	11,770,053	0.3539	0.6461	31.44
30.5	20,883,421	6,295,542	0.3015	0.6985	20.31
31.5	14,428,608	5,702,096	0.3952	0.6048	14.19
32.5	8,936,991	1,664,632	0.1863	0.8137	8.58
33.5	7,848,837	1,479,328	0.1885	0.8115	6.98
34.5	7,131,823	557,904	0.0782	0.9218	5.67
35.5	7,238,453	1,322,101	0.1826	0.8174	5.22
36.5	6,527,810	858,009	0.1314	0.8686	4.27
37.5	6,152,342	950,618	0.1545	0.8455	3.71
38.5	5,638,349	746,289	0.1324	0.8676	3.14

## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018			EXPERIENCE BAND 1999-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	5,260,853	723,104	0.1374	0.8626	2.72
40.5	4,829,325	976,026	0.2021	0.7979	2.35
41.5	4,163,485	1,390,351	0.3339	0.6661	1.87
42.5	3,102,355	610,659	0.1968	0.8032	1.25
43.5	2,781,720	523,767	0.1883	0.8117	1.00
44.5	2,490,859	740,716	0.2974	0.7026	0.81
45.5	1,949,244	706,139	0.3623	0.6377	0.57
46.5	1,478,111	449,069	0.3038	0.6962	0.36
47.5	1,381,621	497,868	0.3604	0.6396	0.25
48.5	1,322,905	589,482	0.4456	0.5544	0.16
49.5	731,842	141,462	0.1933	0.8067	0.09
50.5	590,438	185,086	0.3135	0.6865	0.07
51.5	405,352	115,456	0.2848	0.7152	0.05
52.5	289,904	232,901	0.8034	0.1966	0.04
53.5	57,140	56,937	0.9964	0.0036	0.01
54.5	203	57	0.2829	0.7171	0.00
55.5	7,646		0.0000	1.0000	0.00
56.5	7,654	9	0.0011	0.9989	0.00
57.5	18,332	137	0.0075	0.9925	0.00
58.5	18,345		0.0000	1.0000	0.00
59.5	19,302		0.0000	1.0000	0.00
60.5	19,302	8	0.0004	0.9996	0.00
61.5	20,430	10,687	0.5231	0.4769	0.00
62.5	9,743	151	0.0155	0.9845	0.00
63.5	9,593	7,531	0.7850	0.2150	0.00
64.5	2,085		0.0000	1.0000	0.00
65.5	2,092	199	0.0952	0.9048	0.00
66.5	1,892		0.0000	1.0000	0.00
67.5	1,892		0.0000	1.0000	0.00
68.5	1,892	23	0.0119	0.9881	0.00
69.5	1,884	935	0.4962	0.5038	0.00
70.5	956		0.0000	1.0000	0.00
71.5	969	935	0.9651	0.0349	0.00
72.5	41		0.0000	1.0000	0.00
73.5	54	14	0.2533	0.7467	0.00
74.5	40	7	0.1665	0.8335	0.00
75.5	34	13	0.4001	0.5999	0.00
76.5	28	7	0.2436	0.7564	0.00
77.5	21	13	0.6449	0.3551	0.00
78.5	7		0.0000	1.0000	0.00

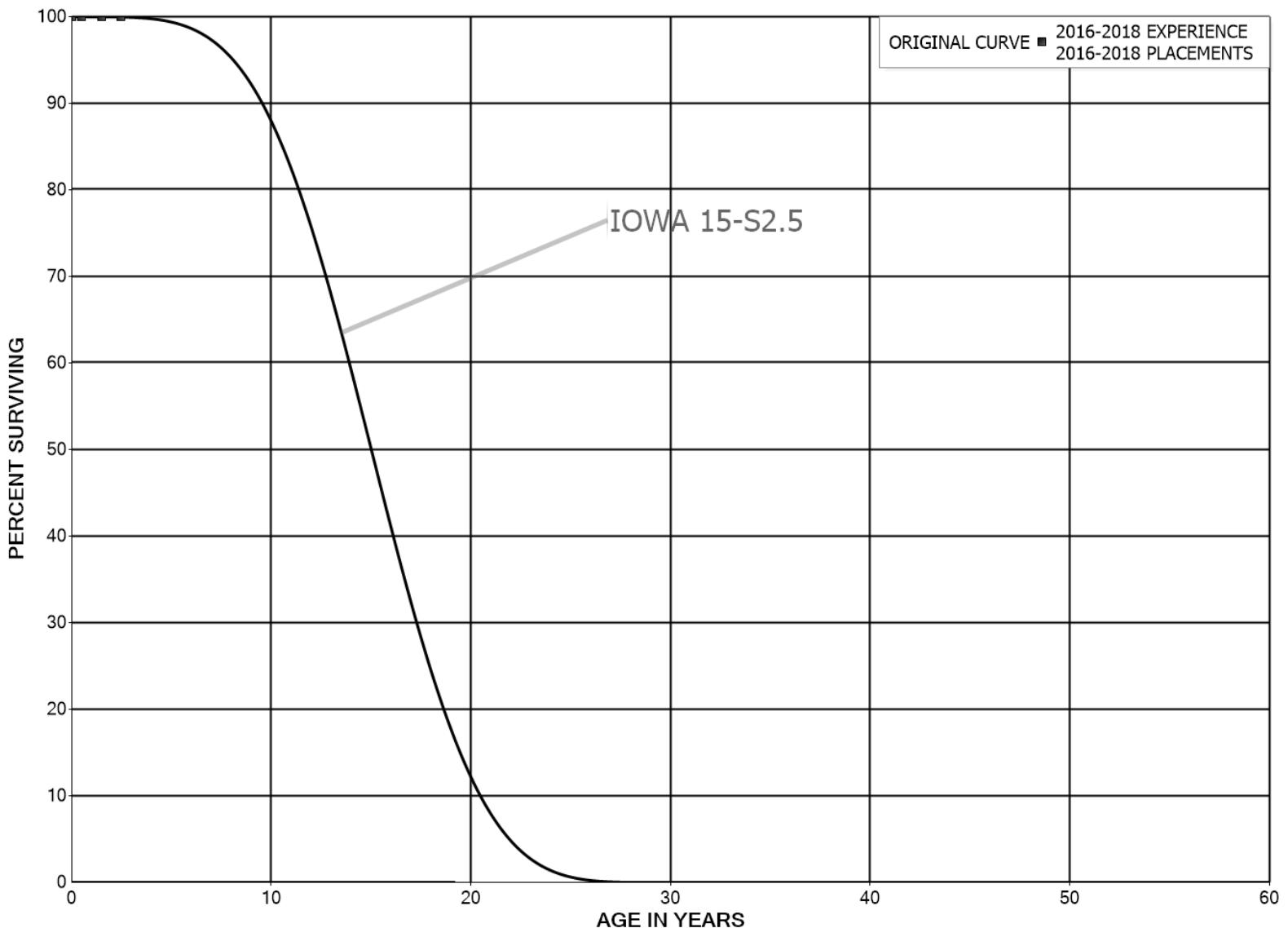
## DUKE ENERGY PROGRESS

ACCOUNTS 370 AND 370.01 METERS AND METERING EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1910-2018		EXPERIENCE BAND 1999-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	7		0.0000	1.0000	0.00
80.5	7	7	1.0000		0.00
81.5					
82.5	5		0.0000		
83.5	10		0.0000		
84.5	10		0.0000		
85.5	10		0.0000		
86.5	10	5	0.5000		
87.5	5	5	1.0000		
88.5	5		0.0000		
89.5	5		0.0000		
90.5	5		0.0000		
91.5	5		0.0000		
92.5	5	5	1.0000		
93.5					

DUKE ENERGY PROGRESS  
ACCOUNT 370.02 METERS - UOF  
ORIGINAL AND SMOOTH SURVIVOR CURVES



Gannett Fleming

VII-240

Duke Energy Progress  
December 31, 2018

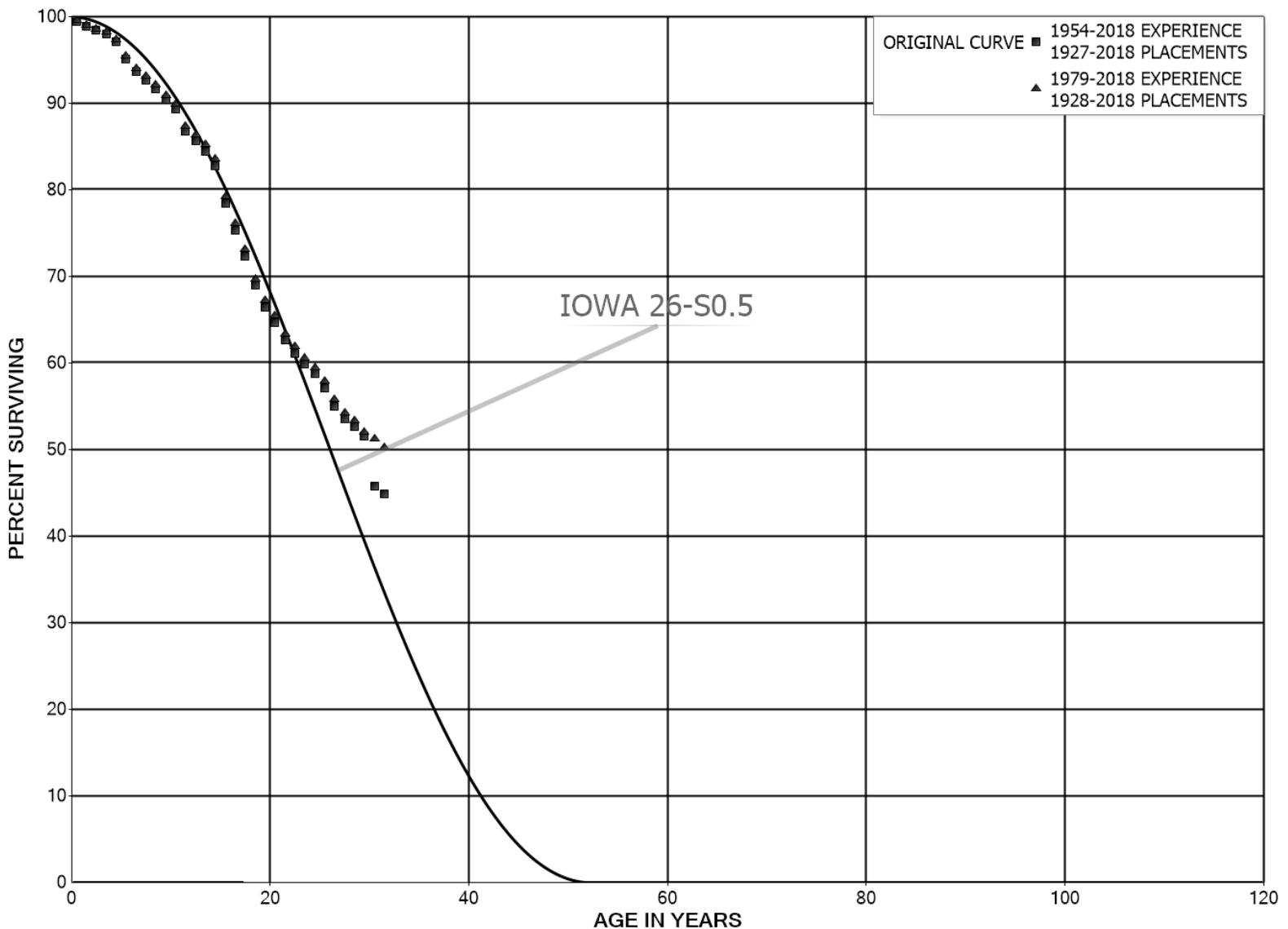
## DUKE ENERGY PROGRESS

ACCOUNT 370.02 METERS - UOF

## ORIGINAL LIFE TABLE

PLACEMENT BAND 2016-2018			EXPERIENCE BAND 2016-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	69,710,613		0.0000	1.0000	100.00
0.5	883,663		0.0000	1.0000	100.00
1.5	45,579		0.0000	1.0000	100.00
2.5					100.00

DUKE ENERGY PROGRESS  
ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

## ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1927-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	391,812,947	2,161,213	0.0055	0.9945	100.00
0.5	362,778,617	2,218,769	0.0061	0.9939	99.45
1.5	339,099,799	1,476,409	0.0044	0.9956	98.84
2.5	333,722,147	1,408,946	0.0042	0.9958	98.41
3.5	332,199,763	3,014,133	0.0091	0.9909	97.99
4.5	313,379,338	6,600,241	0.0211	0.9789	97.11
5.5	302,867,596	4,659,700	0.0154	0.9846	95.06
6.5	286,132,929	2,887,655	0.0101	0.9899	93.60
7.5	278,440,146	3,064,445	0.0110	0.9890	92.65
8.5	268,233,983	3,629,455	0.0135	0.9865	91.63
9.5	255,905,207	3,037,196	0.0119	0.9881	90.39
10.5	240,340,930	7,018,705	0.0292	0.9708	89.32
11.5	222,804,789	2,926,031	0.0131	0.9869	86.71
12.5	208,529,393	2,931,594	0.0141	0.9859	85.57
13.5	193,830,989	3,794,117	0.0196	0.9804	84.37
14.5	178,065,068	9,410,101	0.0528	0.9472	82.72
15.5	156,306,546	6,143,541	0.0393	0.9607	78.35
16.5	141,481,547	5,588,762	0.0395	0.9605	75.27
17.5	119,057,879	5,592,499	0.0470	0.9530	72.29
18.5	107,094,259	3,902,402	0.0364	0.9636	68.90
19.5	76,051,744	1,995,820	0.0262	0.9738	66.39
20.5	73,393,064	2,347,520	0.0320	0.9680	64.65
21.5	63,016,448	1,479,980	0.0235	0.9765	62.58
22.5	30,147,531	652,284	0.0216	0.9784	61.11
23.5	25,404,045	462,126	0.0182	0.9818	59.79
24.5	12,871,505	361,840	0.0281	0.9719	58.70
25.5	7,720,166	290,842	0.0377	0.9623	57.05
26.5	5,124,390	131,711	0.0257	0.9743	54.90
27.5	3,505,209	58,154	0.0166	0.9834	53.49
28.5	2,755,290	58,655	0.0213	0.9787	52.60
29.5	2,184,594	245,579	0.1124	0.8876	51.48
30.5	1,610,259	31,470	0.0195	0.9805	45.69
31.5	1,335,499	4,817	0.0036	0.9964	44.80
32.5	139,449	804	0.0058	0.9942	44.64
33.5	138,542	349	0.0025	0.9975	44.38
34.5	138,193	327	0.0024	0.9976	44.27
35.5	137,859	162	0.0012	0.9988	44.17
36.5	137,697	178	0.0013	0.9987	44.11
37.5	137,518		0.0000	1.0000	44.06
38.5	137,518	81	0.0006	0.9994	44.06

## DUKE ENERGY PROGRESS

## ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1927-2018		EXPERIENCE BAND 1954-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	137,437	81	0.0006	0.9994	44.03
40.5	137,356	24,256	0.1766	0.8234	44.00
41.5	113,100	13,562	0.1199	0.8801	36.23
42.5	99,538	12,334	0.1239	0.8761	31.89
43.5	87,204	17,583	0.2016	0.7984	27.94
44.5	69,621	16,027	0.2302	0.7698	22.30
45.5	53,594	13,326	0.2486	0.7514	17.17
46.5	40,268	9,849	0.2446	0.7554	12.90
47.5	30,419	7,761	0.2551	0.7449	9.75
48.5	22,658	6,748	0.2978	0.7022	7.26
49.5	15,910	5,347	0.3361	0.6639	5.10
50.5	10,563	4,690	0.4440	0.5560	3.38
51.5	5,873	3,889	0.6621	0.3379	1.88
52.5	1,984	1,979	0.9973	0.0027	0.64
53.5	5	4	0.7477	0.2523	0.00
54.5	1		0.0000	1.0000	0.00
55.5	1		0.0000	1.0000	0.00
56.5	1		0.0000	1.0000	0.00
57.5	1		0.0000	1.0000	0.00
58.5	1		0.0000	1.0000	0.00
59.5	1		0.0000	1.0000	0.00
60.5	1		1	1.0000	0.00
61.5					

## DUKE ENERGY PROGRESS

## ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1928-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	382,666,557	1,916,115	0.0050	0.9950	100.00
0.5	354,694,854	2,075,638	0.0059	0.9941	99.50
1.5	331,987,103	1,302,763	0.0039	0.9961	98.92
2.5	327,211,045	1,195,778	0.0037	0.9963	98.53
3.5	325,996,931	2,786,698	0.0085	0.9915	98.17
4.5	307,922,473	6,253,114	0.0203	0.9797	97.33
5.5	298,030,819	4,372,607	0.0147	0.9853	95.35
6.5	281,846,385	2,677,627	0.0095	0.9905	93.95
7.5	274,489,420	2,892,405	0.0105	0.9895	93.06
8.5	264,630,179	3,459,821	0.0131	0.9869	92.08
9.5	252,799,780	2,884,009	0.0114	0.9886	90.88
10.5	237,641,548	6,753,134	0.0284	0.9716	89.84
11.5	220,710,430	2,589,877	0.0117	0.9883	87.29
12.5	206,981,912	2,669,565	0.0129	0.9871	86.26
13.5	192,679,376	3,663,739	0.0190	0.9810	85.15
14.5	177,215,440	9,306,034	0.0525	0.9475	83.53
15.5	155,706,811	6,090,903	0.0391	0.9609	79.14
16.5	141,043,855	5,540,578	0.0393	0.9607	76.05
17.5	118,763,730	5,548,318	0.0467	0.9533	73.06
18.5	106,821,513	3,864,484	0.0362	0.9638	69.65
19.5	75,807,730	1,967,242	0.0260	0.9740	67.13
20.5	73,170,731	2,326,621	0.0318	0.9682	65.39
21.5	62,809,357	1,463,693	0.0233	0.9767	63.31
22.5	29,951,482	638,109	0.0213	0.9787	61.83
23.5	25,217,602	448,114	0.0178	0.9822	60.51
24.5	12,695,939	350,003	0.0276	0.9724	59.44
25.5	7,556,361	278,236	0.0368	0.9632	57.80
26.5	4,754,921	125,720	0.0264	0.9736	55.67
27.5	3,141,732	55,117	0.0175	0.9825	54.20
28.5	2,394,850	56,999	0.0238	0.9762	53.25
29.5	1,825,809	26,701	0.0146	0.9854	51.98
30.5	1,470,353	30,833	0.0210	0.9790	51.22
31.5	1,196,229	4,476	0.0037	0.9963	50.15
32.5	521	315	0.6049	0.3951	49.96
33.5	102		0.0000	1.0000	19.74
34.5	102	2	0.0155	0.9845	19.74
35.5	93		0.0000	1.0000	19.43
36.5	93	93	1.0000		19.43
37.5	24,256		0.0000	1.0000	
38.5	37,735		0.0000		

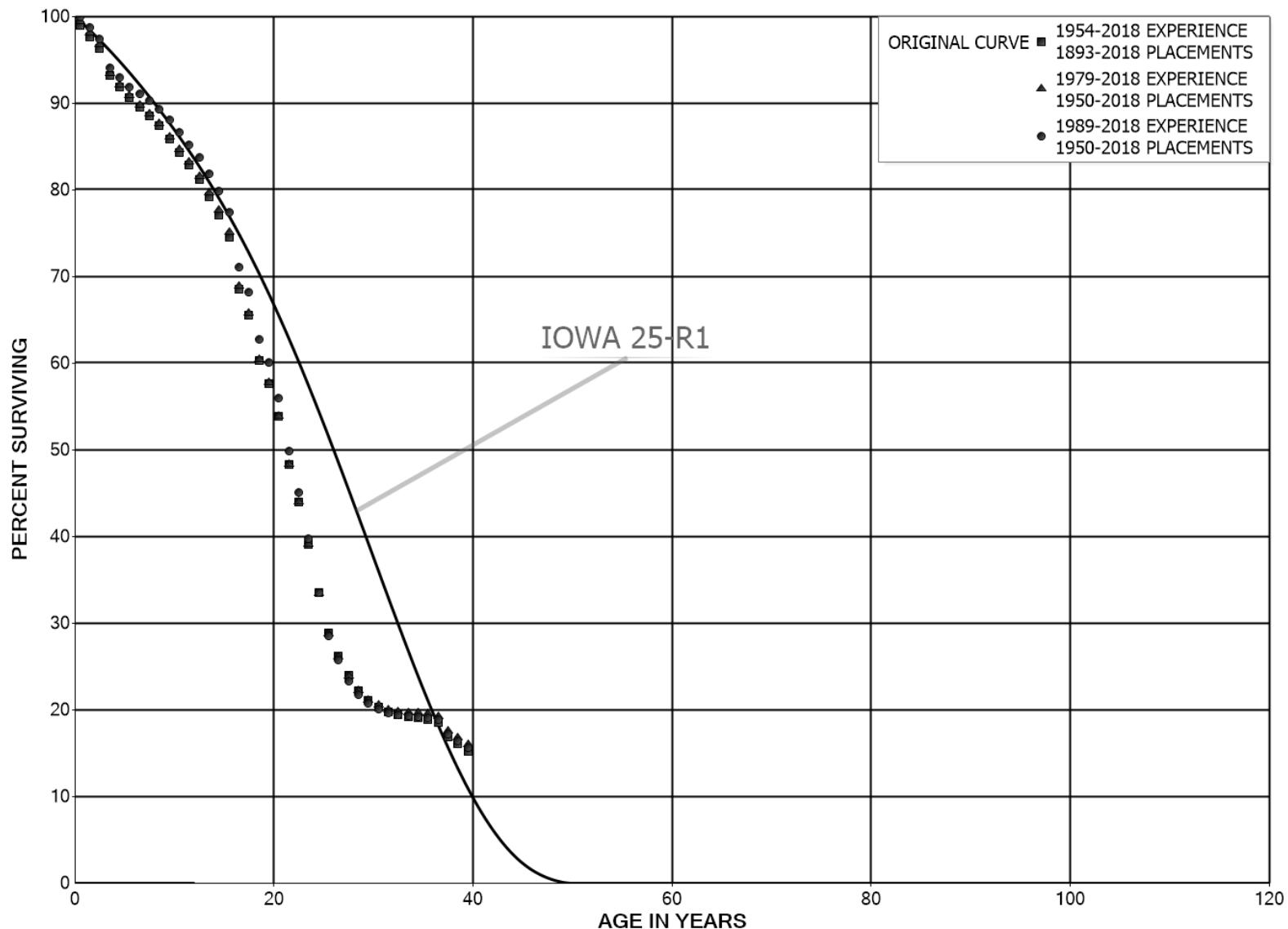
## DUKE ENERGY PROGRESS

## ACCOUNT 371 INSTALLATIONS ON CUSTOMERS' PREMISES

## ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1928-2018		EXPERIENCE BAND 1979-2018			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	50,069		0.0000		
40.5	59,634	24,256	0.4067		
41.5	52,120	13,479	0.2586		
42.5	53,669	12,334	0.2298		
43.5	52,193	17,341	0.3322		
44.5	44,042	16,027	0.3639		
45.5	34,912	13,326	0.3817		
46.5	27,243	9,788	0.3593		
47.5	22,700	7,761	0.3419		
48.5	19,447	6,748	0.3470		
49.5	15,834	5,347	0.3377		
50.5	10,563	4,690	0.4440		
51.5	5,873	3,889	0.6621		
52.5	1,984	1,979	0.9973		
53.5	5	4	0.7477		
54.5	1		0.0000		
55.5	1		0.0000		
56.5	1		0.0000		
57.5	1		0.0000		
58.5	1		0.0000		
59.5	1		0.0000		
60.5	1		1	1.0000	
61.5					

DUKE ENERGY PROGRESS  
ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1893-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1954-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	371,030,535	3,849,788	0.0104	0.9896	100.00
0.5	347,407,086	4,543,066	0.0131	0.9869	98.96
1.5	253,536,633	3,474,599	0.0137	0.9863	97.67
2.5	184,372,642	5,986,680	0.0325	0.9675	96.33
3.5	156,941,805	2,218,185	0.0141	0.9859	93.20
4.5	114,956,398	1,600,953	0.0139	0.9861	91.88
5.5	110,974,455	1,295,030	0.0117	0.9883	90.60
6.5	103,881,528	1,159,326	0.0112	0.9888	89.55
7.5	93,513,048	1,262,314	0.0135	0.9865	88.55
8.5	88,823,232	1,528,793	0.0172	0.9828	87.35
9.5	84,492,086	1,512,866	0.0179	0.9821	85.85
10.5	79,432,236	1,417,502	0.0178	0.9822	84.31
11.5	74,310,927	1,508,780	0.0203	0.9797	82.81
12.5	69,236,422	1,705,905	0.0246	0.9754	81.13
13.5	63,314,524	1,653,520	0.0261	0.9739	79.13
14.5	57,494,339	1,903,250	0.0331	0.9669	77.06
15.5	52,404,678	4,222,921	0.0806	0.9194	74.51
16.5	45,660,208	1,997,563	0.0437	0.9563	68.51
17.5	37,923,817	3,011,228	0.0794	0.9206	65.51
18.5	33,111,702	1,489,109	0.0450	0.9550	60.31
19.5	29,494,994	1,920,795	0.0651	0.9349	57.60
20.5	26,878,878	2,780,025	0.1034	0.8966	53.84
21.5	23,288,926	2,109,817	0.0906	0.9094	48.28
22.5	18,825,231	2,097,070	0.1114	0.8886	43.90
23.5	15,834,738	2,231,714	0.1409	0.8591	39.01
24.5	12,805,075	1,788,272	0.1397	0.8603	33.51
25.5	10,295,190	963,210	0.0936	0.9064	28.83
26.5	8,606,579	722,242	0.0839	0.9161	26.14
27.5	7,393,244	534,386	0.0723	0.9277	23.94
28.5	6,239,387	322,636	0.0517	0.9483	22.21
29.5	4,656,724	175,476	0.0377	0.9623	21.06
30.5	3,514,367	92,550	0.0263	0.9737	20.27
31.5	2,866,071	53,002	0.0185	0.9815	19.74
32.5	2,490,183	21,332	0.0086	0.9914	19.37
33.5	2,467,523	22,937	0.0093	0.9907	19.20
34.5	2,223,207	27,331	0.0123	0.9877	19.03
35.5	2,169,427	31,414	0.0145	0.9855	18.79
36.5	1,922,410	171,064	0.0890	0.9110	18.52
37.5	1,469,739	66,422	0.0452	0.9548	16.87
38.5	1,303,812	74,225	0.0569	0.9431	16.11

## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1893-2018			EXPERIENCE BAND 1954-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,061,093	49,679	0.0468	0.9532	15.19
40.5	899,306	32,070	0.0357	0.9643	14.48
41.5	835,990	124,630	0.1491	0.8509	13.96
42.5	549,502	276,682	0.5035	0.4965	11.88
43.5	285,495	28,862	0.1011	0.8989	5.90
44.5	204,218	17,675	0.0865	0.9135	5.30
45.5	93,599	14,188	0.1516	0.8484	4.84
46.5	32,554	9,494	0.2916	0.7084	4.11
47.5	32,660	11,391	0.3488	0.6512	2.91
48.5	30,864	11,946	0.3870	0.6130	1.90
49.5	32,313	17,802	0.5509	0.4491	1.16
50.5	25,343	15,140	0.5974	0.4026	0.52
51.5	19,230	13,234	0.6882	0.3118	0.21
52.5	14,664	11,730	0.7999	0.2001	0.07
53.5	11,108	8,205	0.7386	0.2614	0.01
54.5	10,525	7,655	0.7273	0.2727	0.00
55.5	10,166	7,317	0.7198	0.2802	0.00
56.5	9,914	7,749	0.7816	0.2184	0.00
57.5	6,811	6,720	0.9866	0.0134	0.00
58.5	6,659	4,563	0.6853	0.3147	0.00
59.5	8,180	6,203	0.7583	0.2417	0.00
60.5	6,025	6,025	1.0000		0.00
61.5					

## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1979-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	357,249,330	2,050,154	0.0057	0.9943	100.00
0.5	336,368,064	4,483,376	0.0133	0.9867	99.43
1.5	242,845,439	3,395,016	0.0140	0.9860	98.10
2.5	173,975,416	5,913,345	0.0340	0.9660	96.73
3.5	147,155,034	2,122,593	0.0144	0.9856	93.44
4.5	106,227,841	1,503,480	0.0142	0.9858	92.09
5.5	103,169,007	1,194,836	0.0116	0.9884	90.79
6.5	96,874,797	1,061,213	0.0110	0.9890	89.74
7.5	87,174,718	1,140,917	0.0131	0.9869	88.76
8.5	82,868,482	1,396,555	0.0169	0.9831	87.59
9.5	79,137,465	1,398,384	0.0177	0.9823	86.12
10.5	74,462,789	1,287,067	0.0173	0.9827	84.60
11.5	69,763,875	1,338,327	0.0192	0.9808	83.13
12.5	65,196,177	1,571,976	0.0241	0.9759	81.54
13.5	59,582,202	1,475,305	0.0248	0.9752	79.57
14.5	54,166,535	1,770,717	0.0327	0.9673	77.60
15.5	49,395,314	4,103,460	0.0831	0.9169	75.07
16.5	42,878,283	1,912,513	0.0446	0.9554	68.83
17.5	35,494,814	2,898,990	0.0817	0.9183	65.76
18.5	30,852,952	1,371,159	0.0444	0.9556	60.39
19.5	27,764,996	1,842,042	0.0663	0.9337	57.71
20.5	25,392,554	2,622,421	0.1033	0.8967	53.88
21.5	22,131,204	2,013,063	0.0910	0.9090	48.31
22.5	17,848,453	1,986,352	0.1113	0.8887	43.92
23.5	15,098,051	2,172,584	0.1439	0.8561	39.03
24.5	12,323,467	1,731,723	0.1405	0.8595	33.41
25.5	9,980,954	934,061	0.0936	0.9064	28.72
26.5	8,381,116	703,528	0.0839	0.9161	26.03
27.5	7,240,329	505,323	0.0698	0.9302	23.85
28.5	6,098,029	293,303	0.0481	0.9519	22.18
29.5	4,535,389	139,618	0.0308	0.9692	21.11
30.5	3,428,831	79,585	0.0232	0.9768	20.46
31.5	2,793,501	31,733	0.0114	0.9886	19.99
32.5	2,438,882	13,626	0.0056	0.9944	19.76
33.5	2,423,303	6,050	0.0025	0.9975	19.65
34.5	2,178,985	13,070	0.0060	0.9940	19.60
35.5	2,130,591	28,923	0.0136	0.9864	19.49
36.5	1,875,594	166,591	0.0888	0.9112	19.22
37.5	1,420,590	64,256	0.0452	0.9548	17.51
38.5	1,250,341	55,371	0.0443	0.9557	16.72

## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2018			EXPERIENCE BAND 1979-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,020,611	39,373	0.0386	0.9614	15.98
40.5	856,101	23,174	0.0271	0.9729	15.36
41.5	787,539	107,042	0.1359	0.8641	14.95
42.5	508,197	263,860	0.5192	0.4808	12.92
43.5	244,337	15,311	0.0627	0.9373	6.21
44.5	167,338	6,959	0.0416	0.9584	5.82
45.5	56,534	2,127	0.0376	0.9624	5.58
46.5					5.37

## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

## ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2018	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	EXPERIENCE BAND 1989-2018
AGE AT BEGIN OF INTERVAL				PCT SURV	BEGIN OF INTERVAL
0.0	334,607,582	228,396	0.0007	0.9993	100.00
0.5	317,577,537	3,872,579	0.0122	0.9878	99.93
1.5	227,693,202	3,031,633	0.0133	0.9867	98.71
2.5	162,896,253	5,508,344	0.0338	0.9662	97.40
3.5	137,533,875	1,754,596	0.0128	0.9872	94.11
4.5	97,187,314	1,142,298	0.0118	0.9882	92.90
5.5	94,774,971	798,085	0.0084	0.9916	91.81
6.5	89,099,866	731,548	0.0082	0.9918	91.04
7.5	79,584,143	872,129	0.0110	0.9890	90.29
8.5	76,047,328	1,026,863	0.0135	0.9865	89.30
9.5	73,132,940	1,191,663	0.0163	0.9837	88.10
10.5	69,163,701	1,153,467	0.0167	0.9833	86.66
11.5	64,699,291	1,151,486	0.0178	0.9822	85.22
12.5	60,093,551	1,354,944	0.0225	0.9775	83.70
13.5	54,924,991	1,310,783	0.0239	0.9761	81.81
14.5	50,245,099	1,533,994	0.0305	0.9695	79.86
15.5	46,213,859	3,798,464	0.0822	0.9178	77.42
16.5	40,383,180	1,615,461	0.0400	0.9600	71.06
17.5	33,257,515	2,671,995	0.0803	0.9197	68.22
18.5	28,796,641	1,231,854	0.0428	0.9572	62.73
19.5	25,718,564	1,737,534	0.0676	0.9324	60.05
20.5	23,372,547	2,552,694	0.1092	0.8908	55.99
21.5	20,234,078	1,953,896	0.0966	0.9034	49.88
22.5	16,213,748	1,910,388	0.1178	0.8822	45.06
23.5	13,530,906	2,118,433	0.1566	0.8434	39.75
24.5	10,753,427	1,616,675	0.1503	0.8497	33.53
25.5	8,553,912	837,956	0.0980	0.9020	28.49
26.5	7,034,869	653,038	0.0928	0.9072	25.70
27.5	6,097,667	419,289	0.0688	0.9312	23.31
28.5	5,041,402	225,074	0.0446	0.9554	21.71
29.5	3,760,191	121,587	0.0323	0.9677	20.74
30.5	2,804,084	69,811	0.0249	0.9751	20.07
31.5	2,322,403	23,861	0.0103	0.9897	19.57
32.5	2,034,159	13,626	0.0067	0.9933	19.37
33.5	2,122,444	6,050	0.0029	0.9971	19.24
34.5	2,050,779	13,070	0.0064	0.9936	19.18
35.5	2,089,894	28,923	0.0138	0.9862	19.06
36.5	1,875,587	166,591	0.0888	0.9112	18.80
37.5	1,420,587	64,256	0.0452	0.9548	17.13
38.5	1,250,341	55,371	0.0443	0.9557	16.35

## DUKE ENERGY PROGRESS

ACCOUNT 373 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2018			EXPERIENCE BAND 1989-2018		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,020,611	39,373	0.0386	0.9614	15.63
40.5	856,101	23,174	0.0271	0.9729	15.03
41.5	787,539	107,042	0.1359	0.8641	14.62
42.5	508,197	263,860	0.5192	0.4808	12.63
43.5	244,337	15,311	0.0627	0.9373	6.07
44.5	167,338	6,959	0.0416	0.9584	5.69
45.5	56,534	2,127	0.0376	0.9624	5.46
46.5					5.25